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PRIMARY IRON AND STEEL

JANUARY 1969

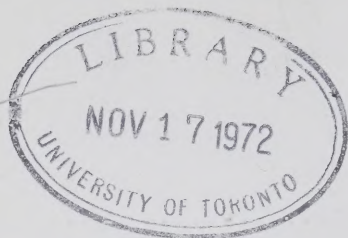
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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- P preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

NOTE

The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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TABLE 1. Pig Iron Capacity, December 31, 1968

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces	15	9,005,000	2	332,000
Electric furnaces	11	575,000	-	-
Totals	26	9,580,000	2	332,000

TABLE 2. Iron Blast Furnaces Charges(1)

January 1969	
	net tons of 2,000 pounds
<u>Crude iron ore</u>	
From Canadian mines	25,311
From foreign mines	38,271
Pyrite cinder	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>	
From Canadian mines	693,391
From foreign mines	170,505
From own processing	99,635
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.)	15,411
Scrap iron and steel	10,459
Limestone	70,696
Dolomite	37,878
Coke	380,123

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>January</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	568,144	6,602	644,970	5,601
Foundry (including silvery pig) (2)	46,394	8,282	55,237	14,604
Malleable	3,274	15,688	8,419	16,486
Total pig iron	617,812	30,572	708,626	36,691
Ferro-alloys	13,709	15,034	14,822	19,296
Stocks of pig iron on hand at end of month	245,562		229,657	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 3A. Production and Shipments of Pig Iron and Ferro-alloys

	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic				
Foundry (including silvery pig) (2)				
Malleable				
Total pig iron				
Ferro-alloys				

Cumulative figures will appear
here in subsequent issues

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Steel Furnace Capacity, December 31, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth	6,970,000
Electric	1,923,650
Basic oxygen furnace	3,800,000
Total ingots	12,693,650
Steel castings	420,725
Total ingots and castings	13,114,375

TABLE 5. Pig Iron and Scrap charged to Steel Furnaces

	January		
	1968	1969	
	net tons of 2,000 pounds		
Pig iron	554,835	631,070	Cumulative figures will appear here in subsequent issues
Scrap - Own make	262,928	298,799	
Purchased	187,738	201,042	
Total pig iron and scrap	1,005,501	1,130,911	

TABLE 6. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>January</u>	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	767,607	5,884	861,037	10,705
Electric	100,355	11,978	125,807	26,199
Basic oxygen furnace	(2)	-	(2)	(2)
Total steel ingots	867,962	17,862	986,844	36,904
Continuous cast steel included in above	78,152	x	81,992	x
Alloy steel ingots included in above	66,229	x	73,718	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	-	-	-	-
Electric	14,682	10,650	11,731	10,105
Basic oxygen furnace	-	-	-	-
Total steel castings	14,682	10,650	11,731	10,105
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	472	300	604	342
Manganese and abrasion resistant	1,921	1,960	1,809	1,923
All other alloys	636	563	608	683
Total alloy castings	3,029	2,823	3,021	2,948

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 6A. Production and Shipments of Steel Ingots and Castings

	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
		net tons of 2,000 pounds		
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth				
Electric				
Basic oxygen furnace				
Total steel ingots				
Continuous cast steel included in above				
Alloy steel ingots included in above				
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth				
Electric				
Basic oxygen furnace				
Total steel castings				
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant				
Manganese and abrasion resistant				
All other alloys				
Total alloy castings				

Cumulative figures will appear here
in subsequent issues

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 7. Disposition of Shipments(1) of Steel Castings

	January 1969		
	Carbon	Alloy	
	net tons of 2,000 pounds		
Wholesalers and warehouses	-	-	
Export	1,002	219	
Automotive and aircraft industries	430	-	
Agricultural (including implement and equipment manufacturers)	114	23	
Construction (including public works, public utilities and structural steel fabricators) ...	172	461	
Machinery and tools	1,409	504	
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.)	370	1,125	Cumulative figures will appear here in subsequent issues
Railway operating	2,601	228	
Railroad cars and locomotives	825	101	
Shipbuilding	37	6	
Miscellaneous (including grinding balls and railway car wheels)	197	281	
Totals	7,157	2,948	

(1) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request. Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
			net tons of 2,000 pounds		
<u>1968</u>					
January	617,812	13,709	867,962	14,682	882,644
February	674,574	15,387	857,665	12,112	869,777
March	774,150	14,104	986,974	12,265	999,239
April	739,159	15,121	934,155	11,644	945,799
May	747,595	13,226	978,893	12,638	991,531
June	708,104	11,982	938,233	10,821	949,054
July	734,172	11,853	898,414	7,067	905,481
August	673,508	12,087	884,324	9,255	893,579
September	627,730	14,973	854,343	11,159	865,502
October	713,551	16,061	973,748	12,299	986,047
November	682,489	13,467	989,030	16,698	1,005,728
December	689,757	14,942	944,866	11,749	956,615
Totals	8,382,601	166,912	11,108,607	142,389	11,250,996
<u>1969</u>					
January	708,626	14,822	986,844	11,731	998,575
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
Totals					

TABLE 9. Production and Shipments of Steel Pipe Tubing, and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>January</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	22,653	19,922	20,953	20,159
Over 4 1/2" outside diameter (excluding tubing and casing)	53,888	50,721	38,367	36,775
Mechanical and pressure tubing, casing and oil well tubing	19,854	18,641	22,209	21,485
Totals	96,395	89,284	81,529	78,419
<u>Steel pipe fittings</u>				
Buttwelding fittings	92	120	93	116
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	497	446	632	668
Totals	589	566	725	784

(1) Included with "Other."

TABLE 9A. Production and Shipments of Steel Pipe Tubing, and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)				
Over 4 1/2" outside diameter (excluding tubing and casing)				
Mechanical and pressure tubing, casing and oil well tubing				
Totals				
<u>Steel pipe fittings</u>				
Buttwelding fittings				
Nipples				
Other, including flanges and flanged fittings ...				
Totals				

Cumulative figures will appear here in subsequent issues

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments (1)	Shipments for further processing (1)	Net shipments
January 1969					
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	53,771	37,306	56,941	44,235	12,706
For forging and piercing	23,889	-	23,387	...	23,387
Rails	21,473	-	18,093	...	18,093
Wire rods	49,457	-	49,696	...	49,696
Structural shapes:					
Heavy	39,302	-	43,854	...	43,854
Bar-sized shapes	12,735	-	14,271	...	14,271
Concrete reinforcing bars	39,390	66	33,883	...	33,883
Other hot rolled bars:					
Flats	3,367	-	11,688)	2,158	44,655
Other	44,985	-	35,125)		
Tie plates and track material:					
Angle bars	-	-	30	...	30
Tie plates	867	-	890	...	890
Track spikes	494	-	415	...	415
Plates (including plates for pipes and tubes)	81,119	-	78,876	...	78,876
Hot rolled sheets	110,876	702	114,082	3,147	110,935
Hot rolled strip	29,439	-	27,950	67	27,883
Total hot rolled products ...	511,164	38,074	509,181	49,607	459,574
<u>Cold rolled and coated</u>					
Cold finished bars	6,897	-	7,428	...	7,428
Cold reduced sheets and strip, tin mill black plate and tin plate	146,110	-	152,416	4,585	147,831
Galvanized sheets	53,583	-	50,600	...	50,600
Total cold rolled and coated ..	206,590	-	210,444	4,585	205,859
Total carbon steel	717,754	38,074	719,625	54,192	665,433
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	5,778	-	5,778	...	5,778
Alloy plates	1,702	-	1,702	...	1,702
Other hot rolled bars including structurals, high speed steel and other alloy tool steel	21,575	-	21,359	11	21,348
Cold finished bars	588	-	529	...	529
Wire rods	250	-	250	...	250
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel	7,075	3,402	11,416	...	11,416
Total alloy steel	36,968	3,402	41,034	11	41,023

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		January 1969		
		Carbon	Alloy	
		net tons of 2,000 pounds		
4a	Wholesalers and warehouses - Steel service centres	79,095	2,625	
b	Other warehouses	10,403	47	
6	Automotive and aircraft industries	80,433	12,875	
7	Agricultural	17,302	466	
8a	Contractors - Building	40,078	54	
b	Construction - Public and utility ..	3,337	-	
c	Structural steel fabricators	69,371	1,252	
9	Containers	48,540	15	
10	Machinery and tools	24,208	3,555	Cumulative figures will appear here in subsequent issues
11	Wire, wire products and fasteners ..	55,882	2,737	
12	Natural resources and extractive industries	12,921	1,708	
13	Appliances and utensils	18,806	257	
14	Other metal stamping and pressing ..	33,090	1,154	
16	Railway operating	18,900	-	
17	Railroad cars and locomotives	9,084	167	
18	Shipbuilding	4,172	66	
19	Pipes and tubes	73,623	4,705	
20	Miscellaneous	8,867	16	
	Total domestic shipments	608,112	31,699	
5a	Export - For conversion and return	12,706	4,229	
b	<u>Other export (for final sale)</u>			
i	USA	36,846	3,585	
ii	Other countries	7,769	1,510	
	Total domestic and export shipments	665,433	41,023	
	Production, (for sale only)	717,754	36,968	
	Imports by producers (including conversion)	38,074	3,402	

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
January 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres	36	84	84	7,560	4,386	6,362	7,894
b	Other warehouses	24	-	-	1,791	399	2,070	316
6	Automotive and aircraft industries	2,388	-	77	86	36	-	20,024
7	Agriculture	-	-	-	446	808	-	4,517
8a	Contractors - Building ...	-	-	-	462	95	3,714	528
b	Construction - Public and utility	-	-	-	334	-	1,867	128
c	Structural steel fabri- cators	-	28	112	27,065	6,061	11,110	3,376
9	Containers	-	-	-	-	-	-	-
10	Machinery and tools	99	20	767	674	144	64	3,303
11	Wire, wire products and fasteners	1,987	-	45,207	-	175	3	6,250
12	Natural resources and extractive industries ..	610	1,064	-	494	15	840	7,713
13	Appliances and utensils ..	-	20	-	138	25	70	51
14	Other metal stamping and pressing	400	171	127	197	437	7,317	2,923
16	Railway operating	31	16,202	-	403	55	-	296
17	Railroad cars and loco- motives	1,908	-	-	1,614	23	-	498
18	Shipbuilding	-	-	-	436	8	-	86
19	Pipes and tubes	14,953	-	184	-	-	-	39
20	Miscellaneous	6,208	-	565	49	103	400	544
Total domestic shipments		28,644	17,589	47,123	41,749	12,770	33,817	58,486
5a	Export - For conversion and return	12,706	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	521	504	2,702	2,091	1,501	60	7,099
ii	Other countries	-	-	121	14	-	6	418
Total domestic and exports shipments ..		41,871	18,093	49,946	43,854	14,271	33,883	66,003
Production (for sale only)		83,438	21,473	49,707	39,302	12,735	39,390	69,927
Imports by producers (in- cluding conversion)		37,306	-	-	-	-	66	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
January 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
37	13,004	13,361	223	2,144	16,842	9,703	81,720	4a
-	1,118	2,672	896	-	1,164	-	10,450	b
-	715	44,119	3,260	2,261	18,466	1,876	93,308	6
-	1,916	5,316	368	1,512	2,394	491	17,768	7
2	2,425	4,259	521	26	4,826	23,274	40,132	8a
-	170	594	-	-	143	101	3,337	b
-	16,250	2,514	652	68	1,157	2,230	70,623	c
-	202	356	97	8	47,781	111	48,555	9
-	5,302	4,011	834	960	10,461	1,124	27,763	10
165	516	1,570	20	194	2,356	176	58,619	11
65	1,913	1,069	-	11	372	463	14,629	12
-	262	2,192	177	260	13,696	2,172	19,063	13
13	1,507	4,610	477	324	13,859	1,882	34,244	14
1,053	743	77	-	5	-	35	18,900	16
-	3,170	1,641	-	-	-	397	9,251	17
-	3,591	108	9	-	-	-	4,238	18
-	21,233	15,157	19,797	36	6,423	506	78,328	19
-	-	9	28	-	756	221	8,883	20
1,335	74,037	103,635	27,359	7,809	140,696	44,762	639,811	
-	-	-	-	-	4,229	-	16,935	5a
-	6,541	6,590	524	123	7,736	4,439	40,431	i
-	-	710	-	25	6,586	1,399	9,279	ii
1,335	80,578	110,935	27,883	7,957	159,247	50,600	706,456	
1,361	82,821	110,876	29,439	7,485	153,185	53,583	754,722	
-	-	702	-	-	3,402	-	41,476	

TABLE 13. Steel Capacity as of December 31, 1968

Firm and province	Ingots			Castings	
	Basic oxygen	Open hearth	Electric	Electric	Total capacity
tons of 2,000 pounds					
<u>Newfoundland</u>					
Newfoundland Steel Co. Ltd.	-	-	30,000	-	30,000
Total Newfoundland	-	-	30,000	-	30,000
<u>Nova Scotia</u>					
Enamel and Heating Products Ltd.	-	-	20,000	-	20,000
Maritime Steel Foundries Ltd.	-	-	-	3,000	3,000
Sydney Steel Corporation	-	1,070,000	30,000	-	1,100,000
Total Nova Scotia	-	1,070,000	50,000	3,000	1,123,000
<u>Quebec</u>					
Abex Industries of Canada Ltd. (Amsco Joliette Division)	-	-	-	32,700	32,700
Atlas Steels Co., Division of Rio Algom Mines Limited	-	-	70,000	-	70,000
Canadian Steel Foundries Division of Hawker Siddeley Canada Ltd.	-	-	-	102,000	102,000
Canadian Steel Wheel Ltd.	-	-	145,800	-	145,800
Canadian Unitcast-Steel Limited	-	-	-	3,600	3,600
Crucible Steel of Canada Limited	-	-	48,000	-	48,000
Dominion Engineering Works Limited	-	-	-	4,800	4,800
Dominion Steel & Coal Corp'n. Ltd.	-	-	156,000	-	156,000
Griffin Steel Foundries Ltd.	-	-	-	52,500	52,500
Lynn MacLeod Metallurgy Ltd.	-	-	-	4,500	4,500
Manganese Steel Castings Ltd.	-	-	-	1,800	1,800
Sorel Steel Foundries Limited	-	-	-	24,000	24,000
Total Quebec	-	-	419,800	225,900	645,700
<u>Ontario</u>					
Algoma Steel Corp'n. Ltd., The	1,450,000	1,150,000	-	-	2,600,000
Atlas Steels Co., Division of Rio Algom Mines Limited	-	-	250,000	-	250,000
Black-Clawson-Kennedy Ltd.	-	-	-	14,000	14,000
Burlington Steel Co. Division of Slater Steel Industries Ltd.	-	-	250,000	-	250,000
Canada Electric Castings Co. Ltd.	-	-	-	5,000	5,000
Dominion Foundries & Steel Ltd.	2,270,000	-	50,850	-	2,320,850
Fahralloy Canada Ltd.	-	-	-	16,500	16,500
Fahralloy-Wisconsin Ltd.	-	-	-	4,500	4,500
Indiana Steel Products Co. of Canada Ltd., The	-	-	-	8,500	8,500
Lake Ontario Steel Co. Ltd.	-	-	300,000	-	300,000
Neelon Steel Ltd.	-	-	-	18,000	18,000
Steel Co. of Canada Ltd., The	-	4,750,000	-	-	4,750,000
Welmet Industries Limited	-	-	-	10,500	10,500
Total Ontario	3,720,000	5,900,000	850,850	77,000	10,547,850

TABLE 13. Steel Capacity as of December 31, 1968 - Concluded

Firm and province	Ingots			Castings	
	Basic oxygen	Open hearth	Electric	Electric	Total capacity
tons of 2,000 pounds					
<u>Manitoba</u>					
Abex Industries of Canada Ltd.	-	-	-	7,000	7,000
Griffin Steel Foundries Ltd.	-	-	-	70,000	70,000
Hudson Bay Mining and Smelting Co. Ltd. ...	-	-	-	2,225	2,225
Manitoba Rolling Mill Co., Ltd.	-	-	160,000	-	160,000
Total Manitoba	-	-	160,000	79,225	239,225
<u>Saskatchewan</u>					
Interprovincial Steel and Pipe Cor- poration Limited	-	-	150,000	-	150,000
Total Saskatchewan	-	-	150,000	-	150,000
<u>Alberta</u>					
Foothills Steel Foundry, Division of Irving Industries Ltd.	-	-	-	4,000	4,000
Quality Steel Foundries Ltd.	-	-	-	1,000	1,000
Steel Co. of Canada Ltd., The	-	-	128,000	-	128,000
Western Rolling Mills Ltd.	-	-	35,000	-	35,000
Total Alberta	-	-	163,000	5,000	168,000
<u>British Columbia</u>					
A-1 Steel and Iron Foundry Ltd.	-	-	-	7,800	7,800
C.A.E. Sumner Limited	-	-	-	3,600	3,600
Cominco Ltd. (Kimberley)	80,000	-	-	-	80,000
Cominco Ltd. (Tadanac)	-	-	-	3,600	3,600
Esco Limited	-	-	-	6,000	6,000
Horton Steel	-	-	-	2,200	2,200
Reliance Foundry Co. Ltd.	-	-	-	4,400	4,400
Western Canada Steel Ltd., Vancouver Steel Division	-	-	100,000	-	100,000
Victoria Machinery Depot Co. Ltd.	-	-	-	3,000	3,000
Total British Columbia	80,000	-	100,000	30,600	210,600
Total Canada	3,800,000	6,970,000	1,923,650	420,725	13,114,375

TABLE 14. Pig Iron Capacity, December 31, 1968

Firm	In blast or in use			Banked, blown out or idle		
	Furnaces		Annual capacity	Furnaces		Annual capacity
	Blast	Electric		Blast	Electric	
	number		net tons	number		net tons
Algoma Steel Corp'n. Ltd., The	5	-	2,335,000	-	-	-
Canadian Furnace Division of The Alboma Steel Corp'n. Ltd.	1	-	240,000	-	-	-
Cominco Ltd.	-	2	110,000	-	-	-
Dominion Foundries and Steel Ltd.	3	-	1,730,000	-	-	-
Quebec Iron and Titanium Corporation ..	-	9	465,000	-	-	-
Steel Company of Canada Ltd., The	4	-	3,800,000	1	-	150,000
Sydney Steel Corporation	2	-	900,000	1	-	182,000
Totals	15	11	9,580,000	2	-	332,000

TABLE 15. Coke Oven Capacity, December 31, 1968

Firm	In use	
	Ovens	Annual capacity
	number	net tons (of coke)
Algoma Steel Corp'n. Ltd., The	260	1,852,000
Dominion Foundries and Steel Limited	158	950,000
Kaiser Coal Ltd.	52	165,000
Quebec Natural Gas Corp'n.	74	384,000
Steel Company of Canada Ltd., The	264	2,100,000
Sydney Steel Corporation	114	612,000
Totals	922	6,063,000

TABLE 16. Sinter Plant Capacity(1) December 31, 1968

Firm	Sintering units or strands	Annual capacity
	number	net tons
Algoma Steel Corporation Ltd., The	1	725,000
Cominco Ltd.	1	300,000
Steel Co. of Canada Ltd., The	1	900,000
Sydney Steel Corporation	1	273,000
Totals	4	2,198,000

(1) At manufacturing plant only.

Note: Annual capacity is the production which the given piece of equipment will turn out in a year, working at normal efficiency, 24 hours a day, and irrespective altogether of materials and labour supplies or the markets, although allowing for shut-downs as may be necessary for repairs and overhauling or rebuilding.

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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- P preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

NOTE

The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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TABLE 1. Pig Iron Capacity, December 31, 1968

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces	15	9,005,000	2	332,000
Electric furnaces	11	575,000	-	-
Totals	26	9,580,000	2	332,000

TABLE 2. Iron Blast Furnaces Charges(1)

	February 1969	Two months ended February 1969
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines	25,019	50,330
From foreign mines	26,130	64,401
Pyrite cinder	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines	587,749	1,281,140
From foreign mines	176,731	347,236
From own processing	90,908	190,543
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.)	24,320	39,731
Scrap iron and steel	9,371	19,830
Limestone	65,777	136,473
Dolomite	33,470	71,348
Coke	340,335	720,458

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>February</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	602,679	6,150	587,505	3,962
Foundry (including silvery pig) (2)	43,143	12,772	52,091	25,727
Malleable	28,752	12,021	8,218	16,682
Total pig iron	674,574	30,943	647,814	46,371
Ferro-alloys	15,387	13,124	16,029	16,094
Stocks of pig iron on hand at end of month	311,376		234,730	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 3A. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>Two months ended February</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	1,170,823	12,752	1,232,475	9,563
Foundry (including silvery pig) (2)	89,537	21,054	107,328	40,331
Malleable	32,026	27,709	16,637	33,168
Total pig iron	1,292,386	61,515	1,356,440	83,062
Ferro-alloys	29,096	28,158	30,851	35,390

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Steel Furnace Capacity, December 31, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth	6,970,000
Electric	1,923,650
Basic oxygen furnace	3,800,000
Total ingots	12,693,650
Steel castings	420,725
Total ingots and castings	13,114,375

TABLE 5. Pig Iron and Scrap charged to Steel Furnaces

	February		Two months ended February	
	1968	1969	1968	1969
	net tons of 2,000 pounds			
Pig iron	567,805	575,624	1,122,640	1,206,694
Scrap - Own make	256,044	276,970	518,972	575,769
Purchased	166,145	175,670	353,883	376,712
Total pig iron and scrap	989,994	1,028,264	1,995,495	2,159,175

TABLE 6. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>February</u>				
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth	756,135	8,252	767,197	12,879
Electric	101,530	16,153	132,488	20,967
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	857,665	24,405	899,685	33,846
Continuous cast steel included in above	74,789	x	97,487	x
Alloy steel ingots included in above	51,459	x	74,337	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	(3)	(3)	-	-
Electric	12,112	11,539	12,554	10,364
Basic oxygen furnace	(3)	(3)	-	-
Total steel castings	12,112	11,539	12,554	10,364
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	435	266	721	451
Manganese and abrasion resistant	2,061	2,200	2,030	2,211
All other alloys	609	502	1,011	963
Total alloy castings	3,105	2,968	3,762	3,625

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

TABLE 6A. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
Two months ended February				
net tons of 2,000 pounds				
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	1,523,742	14,136	1,628,234	23,584
Electric	201,885	28,131	258,295	47,166
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	1,725,627	42,267	1,886,529	70,750
Continuous cast steel included in above	152,941	x	187,409(4)	x
Alloy steel ingots included in above	117,688	x	148,055	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	(3)	(3)	-	-
Electric	26,794	22,189	24,285	20,469
Basic oxygen furnace	(3)	(3)	-	-
Total steel castings	26,794	22,189	24,285	20,469
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	907	566	1,325	793
Manganese and abrasion resistant	3,982	4,160	3,839	4,134
All other alloys	1,245	1,065	1,619	1,646
Total alloy castings	6,134	5,791	6,783	6,573

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

(4) Includes a revision for January 1969.

TABLE 7. Disposition of Shipments(1) of Steel Castings

	February 1969		Two months ended February 1969	
	Carbon	Alloy	Carbon	Alloy
net tons of 2,000 pounds				
Wholesalers and warehouses	-	-	-	-
Export	1,468	432	2,470	651
Automotive and aircraft industries	275	-	705	-
Agricultural (including implement and equipment manufacturers)	92	38	206	61
Construction (including public works, public utilities and structural steel fabricators) ...	98	501	270	962
Machinery and tools	1,498	1,250	2,907	1,754
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.)	431	756	801	1,881
Railway operating	2,252	279	4,853	507
Railroad cars and locomotives	441	13	1,266	114
Shipbuilding	27	9	64	15
Miscellaneous (including grinding balls and railway car wheels)	157	347	354	628
Totals	6,739	3,625	13,896	6,573

(1) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request. Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
	net tons of 2,000 pounds				
<u>1968</u>					
January	617,812	13,709	867,962	14,682	882,644
February	674,574	15,387	857,665	12,112	869,777
March	774,150	14,104	986,974	12,265	999,239
April	739,159	15,121	934,155	11,644	945,799
May	747,595	13,226	978,893	12,638	991,531
June	708,104	11,982	938,233	10,821	949,054
July	734,172	11,853	898,414	7,067	905,481
August	673,508	12,087	884,324	9,255	893,579
September	627,730	14,973	854,343	11,159	865,502
October	713,551	16,061	973,748	12,299	986,047
November	682,489	13,467	989,030	16,698	1,005,728
December	689,757	14,942	944,866	11,749	956,615
Totals	8,382,601	166,912	11,108,607	142,389	11,250,996
<u>1969</u>					
January	708,626	14,822	986,844	11,731	998,575
February	647,814	16,029	899,685	12,554	912,239
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
Totals					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>February</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	23,568	21,045	24,476	21,073
Over 4 1/2" outside diameter (excluding tubing and casing)	46,552	54,938	33,462	37,930
Mechanical and pressure tubing, casing and oil well tubing	15,647	18,598	19,967	21,958
Totals	85,767	94,581	77,905	80,961
<u>Steel pipe fittings</u>				
Buttwelding fittings	145	132	102	112
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	493	562	569	530
Totals	638	694	671	642

(1) Included with "Other".

TABLE 9A. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Two months ended February</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	46,221	40,967	45,429	41,232
Over 4 1/2" outside diameter (excluding tubing and casing)	100,440	105,659	71,829	74,705
Mechanical and pressure tubing, casing and oil well tubing	35,501	37,239	42,176	43,443
Totals	182,162	183,865	159,434	159,380
<u>Steel pipe fittings</u>				
Buttwelding fittings	237	252	195	228
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	990	1,008	1,201	1,198
Totals	1,227	1,260	1,396	1,426

(1) Included with "Other".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1) net tons of 2,000	Shipments for further processing(1) pounds	Net shipments
February 1969					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	61,936	41,438	66,772	42,330	24,442
For forging and piercing	23,298	-	23,780	...	23,780
Rails	20,635	-	28,598	...	28,598
Wire rods	39,762	-	41,225	...	41,225
Structural shapes:					
Heavy	35,744	-	38,563	...	38,563
Bar-sized shapes	12,881	-	9,849	...	9,849
Concrete reinforcing bars	60,492	133	55,490	...	55,490
Other hot rolled bars:					
Flats	6,590	-	9,034)	1,944	48,923
Other	45,159	-	41,833)		
Tie plates and track material:					
Angle bars	-	-	14	...	14
Tie plates	5,016	-	6,146	...	6,146
Track spikes	1,012	-	1,133	...	1,133
Plates (including plates for pipes and tubes)	88,227	-	85,547	...	85,547
Hot rolled sheets	116,744	1,663	107,427	4,315	103,112
Hot rolled strip	17,632	-	21,553	12	21,541
Total hot rolled products ...	535,128	43,234	536,964	48,601	488,363
<u>Cold rolled and coated</u>					
Cold finished bars	7,254	-	7,179	...	7,179
Cold reduced sheets and strip, tin mill black plate and tin plate	127,984	-	132,156	3,026	129,130
Galvanized sheets	48,301	-	41,694	...	41,694
Total cold rolled and coated ..	183,539	-	181,029	3,026	178,003
Total carbon steel	718,667	43,234	717,993	51,627	666,366
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	7,158	-	7,158	...	7,158
Alloy plates	2,199	-	2,199	...	2,199
Other hot rolled bars including structurals, high speed steel and other alloy tool steel	19,450	-	19,261	38	19,223
Cold finished bars	526	-	496	...	496
Wire rods	941	-	941	...	941
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel	6,720	3,402	11,061	...	11,061
Total alloy steel	36,994	3,402	41,116	38	41,078

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
			net tons of 2,000	pounds	
Two months ended February 1969					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	115,707	78,744	123,713	86,565	37,148
For forging and piercing	47,187	-	47,167	...	47,167
Rails	42,108	-	46,691	...	46,691
Wire rods	89,219	-	90,921	...	90,921
Structural shapes:					
Heavy	75,046	-	82,417	...	82,417
Bar-sized shapes	25,616	-	24,120	...	24,120
Concrete reinforcing bars	99,882	199	89,373	...	89,373
Other hot rolled bars:					
Flats	9,957	-	20,722)	4,102	93,578
Other	90,144	-	76,958)		
Tie plates and track material:					
Angle bars	-	-	44	...	44
Tie plates	5,883	-	7,036	...	7,036
Track spikes	1,506	-	1,548	...	1,548
Plates (including plates for pipes and tubes)	169,346	-	164,423	...	164,423
Hot rolled sheets	227,620	2,365	221,509	7,462	214,047
Hot rolled strip	47,071	-	49,503	79	49,424
Total hot rolled products ...	1,046,292	81,308	1,046,145	98,208	947,937
<u>Cold rolled and coated</u>					
Cold finished bars	14,151	-	14,607	...	14,607
Cold reduced sheets and strip, tin mill black plate and tin plate	274,094	-	284,572	7,611	276,961
Galvanized sheets	101,884	-	92,294	...	92,294
Total cold rolled and coated ..	390,129	-	391,473	7,611	383,862
Total carbon steel	1,436,421	81,308	1,437,618	105,819	1,331,799
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	12,936	-	12,936	...	12,936
Alloy plates	3,901	-	3,901	...	3,901
Other hot rolled bars including structurals, high speed steel and other alloy tool steel	41,025	-	40,620	49	40,571
Cold finished bars	1,114	-	1,025	...	1,025
Wire rods	1,191	-	1,191	...	1,191
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel	13,795	6,804	22,477	...	22,477
Total alloy steel	73,962	6,804	82,150	49	82,101

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		February 1969		Two months ended February 1969	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres	81,822	2,628	160,917	5,253
b	Other warehouses	10,930	-	21,333	47
6	Automotive and aircraft industries	68,479	11,515	148,912	24,390
7	Agricultural	16,148	382	33,450	848
8a	Contractors - Building	34,060	-	74,138	54
b	Construction - Public and utility ..	4,025	-	7,362	-
c	Structural steel fabricators	70,294	351	139,665	1,603
9	Containers	44,700	15	93,240	30
10	Machinery and tools	22,200	3,231	46,408	6,786
11	Wire, wire products and fasteners ..	47,801	3,061	103,683	5,798
12	Natural resources and extractive industries	12,173	1,925	25,094	3,633
13	Appliances and utensils	16,148	308	34,954	565
14	Other metal stamping and pressing ..	31,329	1,133	64,419	2,287
16	Railway operating	31,584	-	50,484	-
17	Railroad cars and locomotives	7,133	223	16,217	390
18	Shipbuilding	5,377	1,448	9,549	1,514
19	Pipes and tubes	75,761	5,921	149,384	10,626
20	Miscellaneous	8,356	19	17,223	35
	Total domestic shipments	588,320	32,160	1,196,432	63,859
5a	Export - For conversion and return	24,442	4,229	37,148	8,458
b	Other export (for final sale)				
i	USA	42,772	3,204	79,618	6,789
ii	Other countries	10,832	1,485	18,601	2,995
	Total domestic and export shipments	666,366	41,078	1,331,799	82,101
	Production, (for sale only)	718,667	36,994	1,436,421	73,962
	Imports by producers (including conversion)	43,234	3,402	81,308	6,804

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
February 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres	90	63	69	7,916	2,868	14,637	9,716
b	Other warehouses	-	58	-	1,160	309	2,747	248
6	Automotive and aircraft industries	2,319	-	22	96	21	-	18,308
7	Agriculture	315	-	-	505	706	-	3,245
8a	Contractors - Building ...	-	82	-	625	132	6,493	359
b	Construction - Public and utility	-	-	-	320	-	2,429	62
c	Structural steel fabri- cators	392	41	270	21,596	3,582	18,332	6,254
9	Containers	-	-	-	-	-	-	4
10	Machinery and tools	34	-	402	797	261	57	3,547
11	Wire, wire products and fasteners	1,293	-	36,710	246	380	165	7,060
12	Natural resources and extractive industries ..	583	780	-	556	85	456	7,690
13	Appliances and utensils ..	-	-	-	232	-	67	86
14	Other metal stamping and pressing	359	284	23	145	301	9,358	2,825
16	Railway operating	-	23,565	-	329	46	-	204
17	Railroad cars and loco- motives	1,560	-	-	1,471	39	-	366
18	Shipbuilding	-	-	-	540	17	-	105
19	Pipes and tubes	17,811	-	-	-	-	-	-
20	Miscellaneous	5,492	-	531	18	389	316	518
	Total domestic shipments	30,248	24,873	38,027	36,552	9,136	55,057	60,597
5a	Export - For conversion and return	24,442	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	690	3,725	2,451	2,011	713	44	7,234
ii	Other countries	-	-	1,688	-	-	389	315
	Total domestic and exports shipments ..	55,380	28,598	42,166	38,563	9,849	55,490	68,146
	Production (for sale only)	92,392	20,635	40,703	35,744	12,881	60,492	71,199
	Imports by producers (in- cluding conversion)	41,438	-	-	-	-	133	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
February 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
49	12,270	11,421	68	2,491	14,569	8,223	84,450	4a
3	1,623	2,719	804	-	1,259	-	10,930	b
-	632	38,819	2,096	1,837	14,099	1,745	79,994	6
-	1,356	5,414	602	1,351	2,558	478	16,530	7
19	1,161	3,236	183	35	3,524	18,211	34,060	8a
3	113	872	-	-	173	53	4,025	b
4	15,017	2,298	143	39	866	1,811	70,645	c
-	-	214	245	-	44,142	110	44,715	9
-	4,433	5,156	1,027	847	8,105	765	25,431	10
480	465	1,585	57	292	1,832	297	50,862	11
32	1,614	648	-	3	715	936	14,098	12
-	345	2,108	119	195	11,303	2,001	16,456	13
3	1,797	3,381	1,169	270	11,271	1,276	32,462	14
6,673	597	123	-	29	-	18	31,584	16
1	2,498	1,080	-	-	-	341	7,356	17
-	6,013	54	41	-	-	55	6,825	18
-	30,773	13,365	14,453	1	4,771	508	81,682	19
-	13	-	7	52	936	103	8,375	20
7,267	80,720	92,493	21,014	7,442	120,123	36,931	620,480	
-	-	-	-	-	4,229	-	28,671	5a
								b
14	7,026	10,156	527	208	7,494	3,683	45,976	i
12	-	463	-	25	8,345	1,080	12,317	ii
7,293	87,746	103,112	21,541	7,675	140,191	41,694	707,444	
6,028	90,426	116,744	17,632	7,780	134,704	48,301	755,661	
-	-	1,663	-	-	3,402	-	46,636	

(2) Includes silicon sheets and strips and stainless steel.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Two months ended February 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres	126	147	153	15,476	7,254	20,999	17,610
b	Other warehouses	24	58	-	2,951	708	4,817	564
6	Automotive and aircraft industries	4,707	-	99	182	57	-	38,332
7	Agriculture	315	-	-	951	1,514	-	7,762
8a	Contractors - Building ...	-	82	-	1,087	227	10,207	887
b	Construction - Public and utility	-	-	-	654	-	4,296	190
c	Structural steel fabri- cators	392	69	382	48,661	9,643	29,442	9,630
9	Containers	-	-	-	-	-	-	4
10	Machinery and tools	133	20	1,169	1,471	405	121	6,850
11	Wire, wire products and fasteners	3,280	-	81,917	246	555	168	13,310
12	Natural resources and extractive industries ..	1,193	1,844	-	1,050	100	1,296	15,403
13	Appliances and utensils ..	-	20	-	370	25	137	137
14	Other metal stamping and pressing	759	455	150	342	738	16,675	5,748
16	Railway operating	31	39,767	-	732	101	-	500
17	Railroad cars and loco- motives	3,468	-	-	3,085	62	-	864
18	Shipbuilding	-	-	-	976	25	-	191
19	Pipes and tubes	32,764	-	184	-	-	-	39
20	Miscellaneous	11,700	-	1,096	67	492	716	1,062
Total domestic shipments		58,892	42,462	85,150	78,301	21,906	88,874	119,083
5a	Export - For conversion and return	37,148	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	1,211	4,229	5,153	4,102	2,214	104	14,333
ii	Other countries	-	-	1,809	14	-	395	733
Total domestic and exports shipments ..		97,251	46,691	92,112	82,417	24,120	89,373	134,149
Production (for sale only)		175,830	42,108	90,410	75,046	25,616	99,882	141,126
Imports by producers (in- cluding conversion)		78,744	-	-	-	-	199	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Two months ended February 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
86	25,274	24,782	291	4,635	31,411	17,926	166,170	4a
3	2,741	5,391	1,700	-	2,423	-	21,380	b
-	1,347	82,938	5,356	4,098	32,565	3,621	173,302	6
-	3,272	10,730	970	2,863	4,952	969	34,298	7
21	3,586	7,495	704	61	8,350	41,485	74,192	8a
3	283	1,466	-	-	316	154	7,362	b
4	31,267	4,812	795	107	2,023	4,041	141,268	c
-	202	570	342	8	91,923	221	93,270	9
-	9,735	9,167	1,861	1,807	18,566	1,889	53,194	10
645	981	3,155	77	486	4,188	473	109,481	11
97	3,527	1,717	-	14	1,087	1,399	28,727	12
-	607	4,300	296	455	24,999	4,173	35,519	13
16	3,304	7,991	1,646	594	25,130	3,158	66,706	14
7,726	1,340	200	-	34	-	53	50,484	16
1	5,668	2,721	-	-	-	738	16,607	17
-	9,604	162	50	-	-	55	11,063	18
-	52,006	28,522	34,250	37	11,194	1,014	160,010	19
-	13	9	35	52	1,692	324	17,258	20
8,602	154,757	196,128	48,373	15,251	260,819	81,693	1,260,291	
-	-	-	-	-	8,458	-	45,606	5a
								b
14	13,567	16,746	1,051	331	15,230	8,122	86,407	i
12	-	1,173	-	50	14,931	2,479	21,596	ii
8,628	168,324	214,047	49,424	15,632	299,438	92,294	1,413,900	
7,389	173,247	227,620	47,071	15,265	287,889	101,884	1,510,383	
-	-	2,365	-	-	6,804	-	88,112	

(2) Includes silicon sheets and strips and stainless steel.

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NOTE

The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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TABLE 1. Pig Iron Capacity, December 31, 1968

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces	15	9,005,000	2	332,000
Electric furnaces	11	575,000	-	-
Totals	26	9,580,000	2	332,000

TABLE 2. Iron Blast Furnaces Charges(1)

	March 1969	Three months ended March 1969
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines	33,610	83,940
From foreign mines	32,005	96,406
Pyrite cinder	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines	721,210	2,002,350
From foreign mines	189,225	536,461
From own processing	115,349	305,892
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.)	28,216	67,947
Scrap iron and steel	10,990	30,820
Limestone	76,942	213,415
Dolomite	37,685	109,033
Coke	400,998	1,121,456

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>March</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	680,022	5,371	667,803	4,120
Foundry (including silvery pig)(2)	48,438	12,414	55,218	19,720
Malleable	45,690	11,399	45,809	15,143
Total pig iron	774,150	29,184	768,830	38,983
Ferro-alloys	14,104	14,235	17,506	20,062
Stocks of pig iron on hand at end of month	385,527		288,014	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 3A. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>Three months ended March</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	1,850,845	18,123	1,900,278	13,683
Foundry (including silvery pig)(2)	137,975	33,468	162,546	60,051
Malleable	77,716	39,108	62,446	48,311
Total pig iron	2,066,536	90,699	2,125,270	122,045
Ferro-alloys	43,200	42,393	48,357	55,452

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Steel Furnace Capacity, December 31, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth	6,970,000
Electric	1,923,650
Basic oxygen furnace	3,800,000
Total ingots	12,693,650
Steel castings	420,725
Total ingots and castings	13,114,375

TABLE 5. Pig Iron and Scrap charged to Steel Furnaces

	March		Three months ended March	
	1968	1969	1968	1969
	net tons of 2,000 pounds			
Pig iron	661,685 ^r	662,677	1,784,325 ^r	1,869,371
Scrap - Own make	278,448	321,327	797,420	897,096
Purchased	190,378 ^r	186,079	544,261 ^r	562,791
Total pig iron and scrap	1,130,511	1,170,083	3,126,006	3,329,258

TABLE 6. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>March</u>				
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	866,195	11,628	886,725	13,099
Electric	120,779	17,328 ^r	140,042	21,171
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	986,974	28,956 ^r	1,026,767	34,270
Continuous cast steel included in above	84,112 ^r	x	100,783	x
Alloy steel ingots included in above	69,498	x	86,562	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	-	-	-	-
Electric	12,265	11,853	13,398	14,316
Basic oxygen furnace	-	-	-	-
Total steel castings	12,265	11,853	13,398	14,316
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	450	291	615	369
Manganese and abrasion resistant	2,004	2,053	2,422	2,398
All other alloys	576	575	991	944
Total alloy castings	3,030	2,919	4,028	3,711

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

TABLE 6A. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>Three months ended March</u>	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	2,389,937	25,764	2,514,959	36,683
Electric	322,664	45,459 ^r	398,337	68,337
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	2,712,601	71,223 ^r	2,913,296	105,020
Continuous cast steel included in above	237,053 ^r	x	288,192	x
Alloy steel ingots included in above	187,186	x	234,617	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	(3)	(3)	-	-
Electric	39,059	34,042	37,683	34,785
Basic oxygen furnace	-	-	-	-
Total steel castings	39,059	34,042	37,683	34,785
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	1,357	857	1,940	1,162
Manganese and abrasion resistant	5,986	6,213	6,261	6,532
All other alloys	1,821	1,640	2,610	2,590
Total alloy castings	9,164	8,710	10,811	10,284

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

TABLE 7. Disposition of Shipments(1) of Steel Castings

	March 1969		Three months ended March 1969	
	Carbon	Alloy	Carbon	Alloy
net tons of 2,000 pounds				
Wholesalers and warehouses	-	-	-	-
Export	1,746	400	4,216	1,051
Automotive and aircraft industries	528	-	1,233	-
Agricultural (including implement and equipment manufacturers)	100	26	306	87
Construction (including public works, public utilities and structural steel fabricators) ...	70	385	340	1,347
Machinery and tools	1,833	1,283	4,740	3,037
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.)	588	821	1,389	2,702
Railway operating	3,989	328	8,842	835
Railroad cars and locomotives	1,500	122	2,766	236
Shipbuilding	43	5	107	20
Miscellaneous (including grinding balls and railway car wheels)	208	341	562	969
Totals	10,605	3,711	24,501	10,284

(1) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request. Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
			net tons of 2,000 pounds		
<u>1968</u>					
January	617,812	13,709	867,962	14,682	882,644
February	674,574	15,387	857,665	12,112	869,777
March	774,150	14,104	986,974	12,265	999,239
April	739,159	15,121	934,155	11,644	945,799
May	747,595	13,226	978,893	12,638	991,531
June	708,104	11,982	938,233	10,821	949,054
July	734,172	11,853	898,414	7,067	905,481
August	673,508	12,087	884,324	9,255	893,579
September	627,730	14,973	854,343	11,159	865,502
October	713,551	16,061	973,748	12,299	986,047
November	682,489	13,467	989,030	16,698	1,005,728
December	689,757	14,942	944,866	11,749	956,615
Totals	8,382,601	166,912	11,108,607	142,389	11,250,996
<u>1969</u>					
January	708,626	14,822	986,844	11,731	998,575
February	647,814	16,029	899,685	12,554	912,239
March	768,830	17,506	1,026,767	13,398	1,040,165
April					
May					
June					
July					
August					
September					
October					
November					
December					
Totals					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
net tons of 2,000 pounds				
<u>March</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	23,016	19,143	28,493	25,513
Over 4 1/2" outside diameter (excluding tubing and casing)	55,386	54,553	58,046	57,105
Mechanical and pressure tubing, casing and oil well tubing	17,138	19,548	23,576	21,925
Totals	95,540	93,244	110,115	104,543
<u>Steel pipe fittings</u>				
Buttwelding fittings	116	84	86	99
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	451	515	541	628
Totals	567	599	627	727

(1) Included with "Other".

TABLE 9A. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
net tons of 2,000 pounds				
<u>Three months ended March</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	69,237	60,110	73,922	66,745
Over 4 1/2" outside diameter (excluding tubing and casing)	155,826	160,212	129,875	131,810
Mechanical and pressure tubing, casing and oil well tubing	52,639	56,787	65,752	65,368
Totals	277,702	277,109	269,549	263,923
<u>Steel pipe fittings</u>				
Buttwelding fittings	353	336	281	327
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	1,441	1,523	1,742	1,826
Totals	1,794	1,859	2,023	2,153

(1) Included with "Other".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
			net tons of 2,000 pounds		
<u>March 1969</u>					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	40,642	37,588	49,718	49,403	315
For forging and piercing	20,382	-	21,511	...	21,511
Rails	23,196	-	26,543	...	26,543
Wire rods	44,036	-	39,438	...	39,438
Structural shapes:					
Heavy	48,245	-	46,517	...	46,517
Bar-sized shapes	8,270	-	12,852	...	12,852
Concrete reinforcing bars	59,583	-	54,175	...	54,175
Other hot rolled bars:					
Flats	5,403	-	12,147)	2,836	53,259
Other	53,154	-	43,948)		
Tie plates and track material:					
Angle bars	929	-	823	...	823
Tie plates	8,761	-	8,848	...	8,848
Track spikes	1,764	-	1,689	...	1,689
Plates (including plates for pipes and tubes)	109,119	-	109,521	...	109,521
Hot rolled sheets	102,858	3,307	109,163	3,823	105,340
Hot rolled strip	22,377	-	25,426	...	25,426
Total hot rolled products ...	548,719	40,895	562,319	56,062	506,257
<u>Cold rolled and coated</u>					
Cold finished bars	6,863	-	6,885	...	6,885
Cold reduced sheets and strip, tin mill black plate and tin plate	158,143	-	180,342	4,787	175,555
Galvanized sheets	53,509	-	52,799	...	52,799
Total cold rolled and coated ..	218,515	-	240,026	4,787	235,239
Total carbon steel	767,234	40,895	802,345	60,849	741,496
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	9,209	-	9,209	...	9,209
Alloy plates	1,307	-	1,307	...	1,307
Other hot rolled bars including structurals, high speed steel and other alloy tool steel	20,764	-	20,606	69	20,537
Cold finished bars	566	-	506	...	506
Wire rods	301	-	301	...	301
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel	6,556	3,402	10,897	...	10,897
Total alloy steel	38,703	3,402	42,826	69	42,757

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1) net tons of 2,000	Shipments for further processing(1) pounds	Net shipments
Three months ended March 1969					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	156,349	116,332	173,431	135,968	37,463
For forging and piercing	67,569	-	68,678	...	68,678
Rails	65,304	-	73,234	...	73,234
Wire rods	133,255	-	130,359	...	130,359
Structural shapes:					
Heavy	123,291	-	128,934	...	128,934
Bar-sized shapes	33,886	-	36,972	...	36,972
Concrete reinforcing bars	159,465	199	143,548	...	143,548
Other hot rolled bars:					
Flats	15,360	-	32,869)	6,938	146,837
Other	143,298	-	120,906)		
Tie plates and track material:					
Angle bars	929	-	867	...	867
Tie plates	14,644	-	15,884	...	15,884
Track spikes	3,270	-	3,237	...	3,237
Plates (including plates for pipes and tubes)	278,465	-	273,944	...	273,944
Hot rolled sheets	330,478	5,672	330,672	11,285	319,387
Hot rolled strip	69,448	-	74,929	79	74,850
Total hot rolled products ...	1,595,011	122,203	1,608,464	154,270	1,454,194
<u>Cold rolled and coated</u>					
Cold finished bars	21,014	-	21,492	...	21,492
Cold reduced sheets and strip, tin mill black plate and tin plate	432,237	-	464,914	12,398	452,516
Galvanized sheets	155,393	-	145,093	...	145,093
Total cold rolled and coated ..	608,644	-	631,499	12,398	619,101
Total carbon steel	2,203,655	122,203	2,239,963	166,668	2,073,295
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	22,145	-	22,145	...	22,145
Alloy plates	5,208	-	5,208	...	5,208
Other hot rolled bars including structurals, high speed steel and other alloy tool steel	61,789	-	61,226	118	61,108
Cold finished bars	1,680	-	1,531	...	1,531
Wire rods	1,492	-	1,492	...	1,492
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel	20,351	10,206	33,374	...	33,374
Total alloy steel	112,665	10,206	124,976	118	124,858

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		March 1969		Three months ended March 1969	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres	90,851	2,679	251,768	7,932
b	Other warehouses	11,248	64	32,581	111
6	Automotive and aircraft industries	65,383	11,467	214,295	35,857
7	Agricultural	14,298	417	47,748	1,265
8a	Contractors - Building	39,063	-	113,201	54
b	Construction - Public and utility ..	6,644	-	14,006	-
c	Structural steel fabricators	75,804	482	215,469	2,085
9	Containers	77,314	15	170,554	45
10	Machinery and tools	24,462	2,933	70,870	9,719
11	Wire, wire products and fasteners ..	46,166	2,951	149,849	8,749
12	Natural resources and extractive industries	15,373	2,439	40,467	6,072
13	Appliances and utensils	17,792	162	52,746	727
14	Other metal stamping and pressing ..	41,404	1,147	105,823	3,434
16	Railway operating	36,140	-	86,624	-
17	Railroad cars and locomotives	11,998	75	28,215	465
18	Shipbuilding	6,443	563	15,992	2,077
19	Pipes and tubes	97,343	7,856	246,727	18,482
20	Miscellaneous	6,449	16	23,672	51
	Total domestic shipments	684,175	33,266	1,880,607	97,125
5a	Export - For conversion and return	-	4,229	37,148	12,687
b	Other export (for final sale)				
i	USA	45,195	3,777	124,813	10,566
ii	Other countries	12,126	1,485	30,727	4,480
	Total domestic and export shipments	741,496	42,757	2,073,295	124,858
	Production, (for sale only)	767,234	38,703	2,203,655	112,665
	Imports by producers (including conversion)	40,895	3,402	122,203	10,206

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
March 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres	11	477	48	8,434	4,457	13,764	9,122
b	Other warehouses	-	111	-	1,928	475	1,274	309
6	Automotive and aircraft industries	3,224	-	87	110	21	19	18,417
7	Agriculture	-	-	-	424	353	-	3,948
8a	Contractors - Building ...	-	-	-	281	86	4,560	338
b	Construction - Public and utility	-	-	-	1,647	464	2,717	418
c	Structural steel fabri- cators	132	63	263	26,230	4,596	14,764	6,456
9	Containers	-	-	-	-	-	-	-
10	Machinery and tools	-	58	2,045	649	238	1	3,411
11	Wire, wire products and fasteners	1,272	-	34,813	4	172	56	7,921
12	Natural resources and extractive industries ..	839	1,260	-	319	50	695	9,438
13	Appliances and utensils ..	-	-	-	158	23	-	53
14	Other metal stamping and pressing	441	10	-	637	677	15,730	3,179
16	Railway operating	7	24,218	-	194	51	-	820
17	Railroad cars and loco- motives	2,734	77	-	1,800	82	-	710
18	Shipbuilding	-	5	-	970	-	-	97
19	Pipes and tubes	16,715	-	61	-	-	-	-
20	Miscellaneous	4,828	-	253	21	- 476	422	382
	Total domestic shipments	30,203	26,279	37,570	43,806	11,269	54,002	65,019
5a	Export - For conversion and return	-	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	832	264	1,462	2,711	1,583	173	8,441
ii	Other countries	-	-	707	-	-	-	336
	Total domestic and exports shipments ..	31,035	26,543	39,739	46,517	12,852	54,175	73,796
	Production (for sale only)	70,233	23,196	44,337	48,245	8,270	59,583	79,321
	Imports by producers (in- cluding conversion)	37,588	-	-	-	-	-	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
March 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
48	14,936	12,245	263	2,658	17,202	9,865	93,530	4a
12	1,587	3,356	566	-	1,694	-	11,312	b
-	679	33,740	2,133	1,961	14,419	2,040	76,850	6
-	947	5,154	290	1,026	2,273	300	14,715	7
-	1,607	3,315	328	20	5,385	23,143	39,063	8a
26	161	802	-	-	409	-	6,644	b
1	18,713	2,619	211	29	455	1,754	76,286	c
-	-	489	16	12	76,570	242	77,329	9
-	6,148	4,071	750	860	8,133	1,031	27,395	10
757	501	1,553	21	179	1,528	340	49,117	11
114	2,018	1,450	-	23	639	967	17,812	12
-	606	2,392	188	162	11,585	2,787	17,954	13
1	1,703	4,633	626	250	12,556	2,108	42,551	14
10,381	307	73	-	-	85	4	36,140	16
-	3,760	2,760	-	7	-	143	12,073	17
-	5,379	430	20	-	8	97	7,006	18
-	46,578	15,066	19,207	47	6,905	620	105,199	19
-	- 26	-	-	32	907	122	6,465	20
11,340	105,604	94,148	24,619	7,266	160,753	45,563	717,441	
-	-	-	-	-	4,229	-	4,229	5a
								b
20	5,224	10,559	807	100	10,592	6,204	48,972	i
-	-	633	-	25	10,878	1,032	13,611	ii
11,360	110,828	105,340	25,426	7,391	186,452	52,799	784,253	
11,454	110,426	102,858	22,377	7,429	164,699	53,509	805,937	
-	-	3,307	-	-	3,402	-	44,297	

(2) Includes silicon sheets and strips and stainless steel.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Three months ended March 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres	137	624	201	23,910	11,711	34,763	26,732
b	Other warehouses	24	169	-	4,879	1,183	6,091	873
6	Automotive and aircraft industries	7,931	-	186	292	78	19	56,749
7	Agriculture	315	-	-	1,375	1,867	-	11,710
8a	Contractors - Building ...	-	82	-	1,368	313	14,767	1,225
b	Construction - Public and utility	-	-	-	2,301	464	7,013	608
c	Structural steel fabri- cators	524	132	645	74,891	14,239	44,206	16,086
9	Containers	-	-	-	-	-	-	4
10	Machinery and tools	133	78	3,214	2,120	643	122	10,261
11	Wire, wire products and fasteners	4,552	-	116,730	250	727	224	21,231
12	Natural resources and extractive industries ..	2,032	3,104	-	1,369	150	1,991	24,841
13	Appliances and utensils ..	-	20	-	528	48	137	190
14	Other metal stamping and pressing	1,200	465	150	979	1,415	32,405	8,927
16	Railway operating	38	63,985	-	926	152	-	1,320
17	Railroad cars and loco- motives	6,202	77	-	4,885	144	-	1,574
18	Shipbuilding	-	5	-	1,946	25	-	288
19	Pipes and tubes	49,479	-	245	-	-	-	39
20	Miscellaneous	16,528	-	1,349	88	16	1,138	1,444
	Total domestic shipments	89,095	68,741	122,720	122,107	33,175	142,876	184,102
5a	Export - For conversion and return	37,148	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	2,043	4,493	6,615	6,813	3,797	277	22,774
ii	Other countries	-	-	2,516	14	-	395	1,069
	Total domestic and exports shipments ..	128,286	73,234	131,851	128,934	36,972	143,548	207,945
	Production (for sale only)	246,063	65,304	134,747	123,291	33,886	159,465	220,447
	Imports by producers (in- cluding conversion)	116,332	-	-	-	-	199	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Three months ended March 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
134	40,210	37,027	554	7,293	48,613	27,791	259,700	4a
15	4,328	8,747	2,266	-	4,117	-	32,692	b
-	2,026	116,678	7,489	6,059	46,984	5,661	250,152	6
-	4,219	15,884	1,260	3,889	7,225	1,269	49,013	7
21	5,193	10,810	1,032	81	13,735	64,628	113,255	8a
29	444	2,268	-	-	725	154	14,006	b
5	49,980	7,431	1,006	136	2,478	5,795	217,554	c
-	202	1,059	358	20	168,493	463	170,599	9
-	15,883	13,238	2,611	2,667	26,699	2,920	80,589	10
1,402	1,482	4,708	98	665	5,716	813	158,598	11
211	5,545	3,167	-	37	1,726	2,366	46,539	12
-	1,213	6,692	484	617	36,584	6,960	53,473	13
17	5,007	12,624	2,272	844	37,686	5,266	109,257	14
18,107	1,647	273	-	34	85	57	86,624	16
1	9,428	5,481	-	7	-	881	28,680	17
-	14,983	592	70	-	8	152	18,069	18
-	98,584	43,588	53,457	84	18,099	1,634	265,209	19
-	- 13	9	35	84	2,599	446	23,723	20
19,942	260,361	290,276	72,992	22,517	421,572	127,256	1,977,732	
-	-	-	-	-	12,687	-	49,835	5a
								b
34	18,791	27,305	1,858	431	25,822	14,326	135,379	i
12	-	1,806	-	75	25,809	3,511	35,207	ii
19,988	279,152	319,387	74,850	23,023	485,890	145,093	2,198,153	
18,843	283,673	330,478	69,448	22,694	452,588	155,393	2,316,320	
-	-	5,672	-	-	10,206	-	132,409	

(2) Includes silicon sheets and strips and stainless steel.

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NOTE

The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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TABLE 1. Pig Iron Capacity, December 31, 1968

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces	15	9,005,000	2	332,000
Electric furnaces	11	575,000	-	-
Totals	26	9,580,000	2	332,000

TABLE 2. Iron Blast Furnaces Charges(1)

	April 1969	Four months' ended April 1969
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines	34,283	118,223
From foreign mines	32,616	129,022
Pyrite-cinder	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines	788,225	2,790,575
From foreign mines	166,406	702,867
From own processing	93,182	399,074
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.)	25,866	93,813
Scrap iron and steel	10,850	41,670
Limestone	71,614	285,029
Dolomite	40,095	149,128
Coke	404,510	1,525,966

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>April</u>				
<u>Pig iron</u>				
Basic	676,119	17,101	672,517	3,570
Foundry (including silvery pig)(2)	46,905	18,587	51,244	49,428
Malleable	16,135	14,702	51,188	31,009
Total pig iron	739,159	50,390	774,949	84,007
Ferro-alloys	15,121	17,291	17,889	18,484
Stocks of pig iron on hand at end of month	436,737		303,545	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 3A. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Four months ended April</u>				
<u>Pig iron</u>				
Basic	2,526,964	35,224	2,572,795	17,253
Foundry (including silvery pig)(2)	184,880	52,055	213,790	109,479
Malleable	93,851	53,810	113,634	79,320
Total pig iron	2,805,695	141,089	2,900,219	206,052
Ferro-alloys	58,321	59,684	66,246	73,936

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Steel Furnace Capacity, December 31, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth	6,970,000
Electric	1,923,650
Basic oxygen furnace	3,800,000
Total ingots	12,693,650
Steel castings	420,725
Total ingots and castings	13,114,375

TABLE 5. Pig Iron and Scrap charged to Steel Furnaces

	April		Four months ended April	
	1968	1969	1968	1969(1)
	net tons of 2,000 pounds			
Pig iron	630,011	670,320	2,414,336	2,539,670
Scrap - Own make	271,684	311,639	1,069,104	1,208,692
Purchased	147,708	178,802	691,969	737,242
Total pig iron and scrap	1,049,403	1,160,761	4,175,409	4,485,604

(1) Includes revisions to date.

TABLE 6. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>April</u>				
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	816,709	10,578	878,587	20,236
Electric	117,446	17,777	133,865	20,999
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	934,155	28,355	1,012,452	41,235
Continuous cast steel included in above	86,464 ^r	x	101,089	x
Alloy steel ingots included in above	58,941	x	86,272	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	-	-	-	-
Electric	11,644	12,019	14,239	14,497
Basic oxygen furnace	-	-	-	-
Total steel castings	11,644	12,019	14,239	14,497
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	500	364	670	459
Manganese and abrasion resistant	1,426	2,022	2,027	2,320
All other alloys	604	681	922	884
Total alloy castings	2,530	3,067	3,619	3,663

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

TABLE 6A. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
Four months ended April	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	3,206,646	36,342	3,393,546	56,919
Electric	440,110	63,236	528,133(4)	89,336
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	3,646,756	99,578	3,921,679(4)	146,255
Continuous cast steel included in above	323,517 ^F	x	389,098(4)	x
Alloy steel ingots included in above	246,127	x	321,096(4)	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	(3)	(3)	-	-
Electric	50,703	46,061	51,922(4)	49,282
Basic oxygen furnace	-	-	-	-
Total steel castings	50,703	46,061	51,922(4)	49,282
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	1,857	1,221	2,610	1,621
Manganese and abrasion resistant	7,412	8,235	8,288	8,852
All other alloys	2,425	2,321	3,532	3,474
Total alloy castings	11,694	11,777	14,430	13,947

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

(4) Includes revisions to date.

TABLE 7. Disposition of Shipments(1) of Steel Castings

	April 1969		Four months ended April 1969	
	Carbon	Alloy	Carbon	Alloy
net tons of 2,000 pounds				
Wholesalers and warehouses	-	8	-	8
Export	1,370	315	5,586	1,366
Automotive and aircraft industries	571	-	1,804	-
Agricultural (including implement and equipment manufacturers)	75	25	381	112
Construction (including public works, public utilities and structural steel fabricators) ...	54	485	394	1,832
Machinery and tools	1,752	1,293	6,492	4,330
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.)	838	765	2,227	3,467
Railway operating	3,846	300	12,688	1,135
Railroad cars and locomotives	2,089	151	4,855	387
Shipbuilding	17	4	124	24
Miscellaneous (including grinding balls and railway car wheels)	222	317	784	1,286
Totals	10,834	3,663	35,335	13,947

(1) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request. Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		Total steel
			Ingots	Castings	
			net tons of 2,000 pounds		
<u>1968</u>					
January	617,812	13,709	867,962	14,682	882,644
February	674,574	15,387	857,665	12,112	869,777
March	774,150	14,104	986,974	12,265	999,239
April	739,159	15,121	934,155	11,644	945,799
May	747,595	13,226	978,893	12,638	991,531
June	708,104	11,982	938,233	10,821	949,054
July	734,172	11,853	898,414	7,067	905,481
August	673,508	12,087	884,324	9,255	893,579
September	627,730	14,973	854,343	11,159	865,502
October	713,551	16,061	973,748	12,299	986,047
November	682,489	13,467	989,030	16,698	1,005,728
December	689,757	14,942	944,866	11,749	956,615
Totals	8,382,601	166,912	11,108,607	142,389	11,250,996
<u>1969</u>					
January	708,626	14,822	986,844	11,731	998,575
February	647,814	16,029	899,685	12,554	912,239
March	768,830	17,506	1,022,698(1)	13,398	1,036,096(1)
April	774,949	17,889	1,012,452	14,239	1,026,691
May					
June					
July					
August					
September					
October					
November					
December					
Totals					

(1) Includes revisions for March 1969

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
net tons of 2,000 pounds				
<u>April</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	18,905	20,150	23,809	23,164
Over 4 1/2" outside diameter (excluding tubing and casing)	55,753	65,669	49,898	42,622
Mechanical and pressure tubing, casing and oil well tubing	19,119	17,215	20,031	20,481
Totals	93,777	103,034	93,738	86,267
<u>Steel pipe fittings</u>				
Buttwelding fittings	98	96	176	87
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	374	398	673	660
Totals	472	494	849	747

(1) Included with "Other".

TABLE 9A. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
net tons of 2,000 pounds				
<u>Four months ended April</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	88,142	80,260	97,731	89,909
Over 4 1/2" outside diameter (excluding tubing and casing)	211,579	225,881	179,773	174,432
Mechanical and pressure tubing, casing and oil well tubing	71,758	74,002	85,783	85,849
Totals	371,479	380,143	363,287	350,190
<u>Steel pipe fittings</u>				
Buttwelding fittings	451	432	457	414
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	1,815	1,921	2,415	2,486
Totals	2,266	2,353	2,872	2,900

(1) Included with "Other".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
<u>April 1969</u>			net tons of 2,000 pounds		
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	42,487	25,578	49,769	45,653	4,116
For forging and piercing	19,333	-	20,985	...	20,985
Rails	21,509	-	25,605	...	25,605
Wire rods	47,396	-	46,922	...	46,922
Structural shapes:					
Heavy	47,155	-	47,142	...	47,142
Bar-sized shapes	14,227	-	12,098	...	12,098
Concrete reinforcing bars	63,918	210	67,616	...	67,616
Other hot rolled bars:					
Flats	5,612	-	8,779)	2,256	51,464
Other	46,826	-	44,941)		
Tie plates and track material:					
Angle bars	1,296	-	1,236	...	1,236
Tie plates	10,338	-	10,267	...	10,267
Track spikes	1,549	-	1,567	...	1,567
Plates (including plates for pipes and tubes)	113,308	-	110,581	...	110,581
Hot rolled sheets	126,088	-	123,563	4,571	118,992
Hot rolled strip	19,800	-	22,709	...	22,709
Total hot rolled products ...	580,842	25,788	593,780	52,480	541,300
<u>Cold rolled and coated</u>					
Cold finished bars	7,950	-	7,332	...	7,332
Cold reduced sheets and strip, tin mill black plate and tin plate	143,436	-	134,360	4,170	130,190
Galvanized sheets	61,033	-	60,311	...	60,311
Total cold rolled and coated ..	212,419	-	202,003	4,170	197,833
Total carbon steel	793,261	25,788	795,783	56,650	739,133
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	7,073	-	7,073	...	7,073
Alloy plates	1,829	-	1,829	...	1,829
Other hot rolled bars including structurals, high speed steel and other alloy tool steel	24,412	-	24,193	- 8	24,185
Cold finished bars	529	-	507	...	507
Wire rods	200	-	200	...	200
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel	6,598	3,402	10,939	...	10,939
Total alloy steel	40,641	3,402	44,741	8	44,733

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
			net tons of 2,000	pounds	
<u>Four months ended April 1969</u>					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	198,836	141,910	223,200	181,621	41,579
For forging and piercing	86,902	-	89,663	...	89,663
Rails	86,813	-	98,839	...	98,839
Wire rods	180,651	-	177,281	...	177,281
Structural shapes:					
Heavy	170,446	-	176,076	...	176,076
Bar-sized shapes	48,113	-	49,070	...	49,070
Concrete reinforcing bars	223,383	409	211,164	...	211,164
Other hot rolled bars:					
Flats	20,972	-	41,648)	9,194	198,301
Other	190,124	-	165,847)		
Tie plates and track material:					
Angle bars	2,225	-	2,103	...	2,103
Tie plates	24,982	-	26,151	...	26,151
Track spikes	4,819	-	4,804	...	4,804
Plates (including plates for pipes and tubes)	391,773	-	384,525	...	384,525
Hot rolled sheets	456,566	5,672	454,235	15,856	438,379
Hot rolled strip	89,248	-	97,638	79	97,559
Total hot rolled products ...	2,175,853	147,991	2,202,244	206,750	1,995,494
<u>Cold rolled and coated</u>					
Cold finished bars	28,964	-	28,824	...	28,824
Cold reduced sheets and strip, tin mill black plate and tin plate	575,673	-	599,274	16,568	582,706
Galvanized sheets	216,426	-	205,404	...	205,404
Total cold rolled and coated ..	821,063	-	833,502	16,568	816,934
Total carbon steel	2,996,916	147,991	3,035,746	223,318	2,812,428
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	29,218	-	29,218	...	29,218
Alloy plates	7,037	-	7,037	...	7,037
Other hot rolled bars including structurals, high speed steel and other alloy tool steel	86,201	-	85,419	126	85,293
Cold finished bars	2,209	-	2,038	...	2,038
Wire rods	1,692	-	1,692	...	1,692
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel	26,949	13,608	44,313	...	44,313
Total alloy steel	153,306	13,608	169,717	126	169,591

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		April 1969		Four months ended April 1969	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres	87,755	2,734	339,523	10,666
b	Other warehouses	14,907	14	47,488	125
6	Automotive and aircraft industries	68,080	11,846	282,375	47,703
7	Agricultural	14,491	711	62,239	1,976
8a	Contractors - Building	48,233	9	161,434	63
b	Construction - Public and utility ..	3,343	-	17,349	-
c	Structural steel fabricators	89,767	1,504	305,236	3,589
9	Containers	31,494	15	202,048	60
10	Machinery and tools	22,658	2,981	93,528	12,700
11	Wire, wire products and fasteners ..	53,786	3,557	203,635	12,306
12	Natural resources and extractive industries	16,653	4,944	57,120	11,016
13	Appliances and utensils	17,881	148	70,627	875
14	Other metal stamping and pressing ..	51,846	1,065	157,669	4,499
16	Railway operating	35,645	4	122,269	4
17	Railroad cars and locomotives	9,142	158	37,357	623
18	Shipbuilding	6,194	74	22,186	2,151
19	Pipes and tubes	91,603	5,922	338,330	24,404
20	Miscellaneous	7,830	16	31,502	67
	Total domestic shipments	671,308	35,702	2,551,915	132,827
5a	Export - For conversion and return	-	4,229	37,148	16,916
b	Other export (for final sale)				
i	USA	56,097	2,985	180,910	13,551
ii	Other countries	11,728	1,817	42,455	6,297
	Total domestic and export shipments	739,133	44,733	2,812,428	169,591
	Production, (for sale only)	793,261	40,641	2,996,916	153,306
	Imports by producers (including conversion)	25,788	3,402	147,991	13,608

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
April 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres	11	135	38	7,047	3,647	12,487	8,949
b	Other warehouses	-	150	-	1,788	803	3,455	268
6	Automotive and aircraft industries	3,445	-	16	167	8	41	18,331
7	Agriculture	-	-	-	310	437	-	4,108
8a	Contractors - Building ...	-	-	5	113	76	6,308	636
b	Construction - Public and utility	-	-	-	135	-	1,815	273
c	Structural steel fabri- cators	-	48	1,328	30,387	4,577	18,298	6,359
9	Containers	-	-	-	-	-	-	13
10	Machinery and tools	-	(- 8)	637	710	213	20	3,227
11	Wire, wire products and fasteners	384	-	41,539	5	225	9	9,808
12	Natural resources and extractive industries ..	745	692	-	616	87	2,218	11,290
13	Appliances and utensils ..	-	-	-	139	51	-	90
14	Other metal stamping and pressing	415	176	320	420	529	22,189	3,005
16	Railway operating	9	22,424	-	94	66	-	253
17	Railroad cars and loco- motives	2,735	-	-	1,547	43	-	459
18	Shipbuilding	-	-	-	1,210	3	-	123
19	Pipes and tubes	13,904	-	112	-	-	-	-
20	Miscellaneous	5,485	-	66	3	45	452	469
	Total domestic shipments	27,133	23,617	44,061	44,691	10,810	67,292	67,661
5a	Export - For conversion and return	-	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	5,041	1,982	2,522	2,451	1,288	137	7,313
ii	Other countries	-	6	539	-	-	187	675
	Total domestic and exports shipments ..	32,174	25,605	47,122	47,142	12,098	67,616	75,649
	Production (for sale only)	68,893	21,509	47,596	47,155	14,227	63,918	76,850
	Imports by producers (in- cluding conversion)	25,578	-	-	-	-	210	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
April 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
104	16,199	14,081	115	2,668	15,323	9,685	90,489	4a
1	2,687	3,589	1,005	-	1,175	-	14,921	b
-	814	37,347	1,820	1,727	14,791	1,419	79,926	6
-	930	5,185	102	1,232	2,467	431	15,202	7
4	1,500	4,811	194	59	5,406	29,130	48,242	8a
-	334	437	-	-	290	59	3,343	b
1	22,317	3,192	558	43	1,259	2,904	91,271	c
-	-	487	184	-	30,782	43	31,509	9
-	5,658	4,413	845	909	8,027	988	25,639	10
852	296	1,940	22	273	1,655	335	57,343	11
55	2,093	991	-	3	1,086	1,721	21,597	12
-	116	2,466	118	208	12,121	2,720	18,029	13
2	2,024	5,814	628	386	14,963	2,040	52,911	14
12,032	498	265	-	3	-	5	35,649	16
-	1,780	2,710	-	-	-	26	9,300	17
-	4,504	313	93	17	-	5	6,268	18
-	46,426	15,187	16,247	28	5,006	615	97,525	19
-	-	3	11	79	1,098	135	7,846	20
13,051	108,176	103,231	21,942	7,635	115,449	52,261	707,010	
-	-	-	-	-	4,229	-	4,229	5a
1	4,234	14,856	767	179	12,577	5,734	59,082	i
18	-	905	-	25	8,874	2,316	13,545	ii
13,070	112,410	118,992	22,709	7,839	141,129	60,311	783,866	
13,183	115,137	126,088	19,800	8,479	150,034	61,033	833,902	
-	-	-	-	-	3,402	-	29,190	

(2) Includes silicon sheets and strips and stainless steel.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Four months ended April 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres	148	759	239	30,957	15,358	47,250	35,681
b	Other warehouses	24	319	-	6,667	1,986	9,546	1,141
6	Automotive and aircraft industries	11,376	-	202	459	86	60	75,080
7	Agriculture	315	-	-	1,685	2,304	-	15,818
8a	Contractors - Building ...	-	82	5	1,481	389	21,075	1,861
b	Construction - Public and utility	-	-	-	2,436	464	8,828	881
c	Structural steel fabri- cators	524	180	1,973	105,278	18,816	62,504	22,445
9	Containers	-	-	-	-	-	-	17
10	Machinery and tools	133	70	3,851	2,830	856	142	13,488
11	Wire, wire products and fasteners	4,936	-	158,269	255	952	233	31,039
12	Natural resources and extractive industries ..	2,777	3,796	-	1,985	237	4,209	36,131
13	Appliances and utensils ..	-	20	-	667	99	137	280
14	Other metal stamping and pressing	1,615	641	470	1,399	1,944	54,594	11,932
16	Railway operating	47	86,409	-	1,020	218	-	1,573
17	Railroad cars and loco- motives	8,937	77	-	6,432	187	-	2,033
18	Shipbuilding	-	5	-	3,156	28	-	411
19	Pipes and tubes	63,383	-	357	-	-	-	39
20	Miscellaneous	22,013	-	1,415	91	61	1,590	1,913
Total domestic shipments		116,228	92,358	166,781	166,798	43,985	210,168	251,763
5a	Export - For conversion and return	37,148	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	7,084	6,475	9,137	9,264	5,085	414	30,087
ii	Other countries	-	6	3,055	14	-	582	1,744
Total domestic and exports shipments ..		160,460	98,839	178,973	176,076	49,070	211,164	283,594
Production (for sale only)		314,956	86,813	182,343	170,446	48,113	223,383	297,297
Imports by producers (in- cluding conversion)		141,910	-	-	-	-	409	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Four months ended April 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
238	56,409	51,108	669	9,961	63,936	37,476	350,189	4a
16	7,015	12,336	3,271	-	5,292	-	47,613	b
-	2,840	154,025	9,309	7,786	61,775	7,080	330,078	6
-	5,149	21,069	1,362	5,121	9,692	1,700	64,215	7
25	6,693	15,621	1,226	140	19,141	93,758	161,497	8a
29	778	2,705	-	-	1,015	213	17,349	b
6	72,297	10,623	1,564	179	3,737	8,699	308,825	c
-	202	1,546	542	20	199,275	506	202,108	9
-	21,541	17,651	3,456	3,576	34,726	3,908	106,228	10
2,254	1,778	6,648	120	938	7,371	1,148	215,941	11
266	7,638	4,158	-	40	2,812	4,087	68,136	12
-	1,329	9,158	602	825	48,705	9,680	71,502	13
19	7,031	18,438	2,900	1,230	52,649	7,306	162,168	14
30,139	2,145	538	-	37	85	62	122,273	16
1	11,208	8,191	-	7	-	907	37,980	17
-	19,487	905	163	17	8	157	24,337	18
-	145,010	58,775	69,704	112	23,105	2,249	362,734	19
-	(- 13)	12	46	163	3,697	581	31,569	20
32,993	368,537	393,507	94,934	30,152	537,021	179,517	2,684,742	
-	-	-	-	-	16,916	-	54,064	5a
35	23,025	42,161	2,625	610	38,399	20,060	194,461	i
30	-	2,711	-	100	34,683	5,827	48,752	ii
33,058	391,562	438,379	97,559	30,862	627,019	205,404	2,982,019	
32,026	398,810	456,566	89,248	31,173	602,622	216,426	3,150,222	
-	-	5,672	-	-	13,608	-	161,599	

(2) Includes silicon sheets and strips and stainless steel.

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... figures not appropriate or not applicable.

- nil or zero.

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of the Statistics Act.

NOTE

The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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TABLE 1. Pig Iron Capacity, December 31, 1968

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces	15	9,005,000	2	332,000
Electric furnaces	11	575,000	-	-
Totals	26	9,580,000	2	332,000

TABLE 2. Iron Blast Furnaces Charges(1)

	May 1969	Five months ended May 1969
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines	25,098	143,321
From foreign mines	37,063	166,085
Pyrite cinder	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines	829,845	3,620,420
From foreign mines	123,901	826,768
From own processing	90,598	489,672
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.)	28,306	122,119
Scrap iron and steel	13,431	55,101
Limestone	59,888	344,917
Dolomite	38,272	187,400
Coke	411,234	1,937,200

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>May</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	696,798	18,166	677,130	2,621
Foundry (including silvery pig)(2)	45,956	40,164	52,712	71,091
Malleable	4,841	15,908	53,049	15,509
Total pig iron	747,595	74,238	782,891	89,221
Ferro-alloys	13,226	12,754	15,862	16,918
Stocks of pig iron on hand at end of month	441,082		320,300	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 3A. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>Five months ended May</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	3,223,762	53,390	3,249,925	19,874
Foundry (including silvery pig)(2)	230,836	92,219	266,502	180,570
Malleable	98,692	69,718	166,683	94,829
Total pig iron	3,553,290	215,327	3,683,110	295,273
Ferro-alloys	71,547	72,438	82,108	90,854

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Steel Furnace Capacity, December 31, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth	6,970,000
Electric	1,923,650
Basic oxygen furnace	3,800,000
Total ingots	12,693,650
Steel castings	420,725
Total ingots and castings	13,114,375

TABLE 5. Pig Iron and Scrap charged to Steel Furnaces

	May		Five months ended May	
	1968	1969	1968	1969 (1)
	net tons of 2,000 pounds			
Pig iron	663,914	671,635	3,078,250	3,211,190
Scrap - Own make	294,807	309,317	1,363,911	1,517,827
Purchased	168,026	176,404	859,995	912,088
Total pig iron and scrap	1,126,747	1,157,356	5,302,156	5,641,105

(1) Includes revisions for April 1969.

TABLE 6. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>May</u>				
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	855,140	10,941	881,419	24,268
Electric	123,753	27,374	131,456	24,684
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	978,893	38,315	1,012,875	48,952
Continuous cast steel included in above	96,504 ^r	x	102,735	x
Alloy steel ingots included in above	58,023	x	80,643	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	-	-	-	-
Electric	12,638	12,618	15,033	14,941
Basic oxygen furnace	-	-	-	-
Total steel castings	12,638	12,618	15,033	14,941
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	448	357	696	432
Manganese and abrasion resistant	2,367	2,228	2,101	2,230
All other alloys	618	665	952	940
Total alloy castings	3,433	3,250	3,749	3,602

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

TABLE 6A. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
Five months ended May				
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	4,061,786	47,283	4,274,965	81,187
Electric	563,863	90,610	659,945 (4)	114,020
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	4,625,649	137,893	4,934,910 (4)	195,207
Continuous cast steel included in above	420,021 ^r	x	491,599 (4)	x
Alloy steel ingots included in above	304,150	x	398,610 (4)	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	(3)	(3)	-	-
Electric	63,341	58,679	66,955	64,223
Basic oxygen furnace	-	-	-	-
Total steel castings	63,341	58,679	66,955	64,223
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	2,305	1,578	3,306	2,053
Manganese and abrasion resistant	9,779	10,463	10,389	11,082
All other alloys	3,043	2,986	4,484	4,414
Total alloy castings	15,127	15,027	18,179	17,549

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

(4) Includes revisions for April 1969.

TABLE 7. Disposition of Shipments(1) of Steel Castings

	May 1969		Five months ended May 1969	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses	-	6	-	14
Export	924	329	6,510	1,695
Automotive and aircraft industries	687	-	2,491	-
Agricultural (including implement and equipment manufacturers)	81	39	462	151
Construction (including public works, public utilities and structural steel fabricators) ...	77	363	471	2,195
Machinery and tools	1,874	1,035	8,366	5,365
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.)	1,131	970	3,358	4,437
Railway operating	4,095	258	16,783	1,393
Railroad cars and locomotives	2,145	255	7,000	642
Shipbuilding	33	17	157	41
Miscellaneous (including grinding balls and railway car wheels)	292	330	1,076	1,616
Totals	11,339	3,602	46,674	17,549

(1) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request. Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
			net tons of 2,000 pounds		
<u>1968</u>					
January	617,812	13,709	867,962	14,682	882,644
February	674,574	15,387	857,665	12,112	869,777
March	774,150	14,104	986,974	12,265	999,239
April	739,159	15,121	934,155	11,644	945,799
May	747,595	13,226	978,893	12,638	991,531
June	708,104	11,982	938,233	10,821	949,054
July	734,172	11,853	898,414	7,067	905,481
August	673,508	12,087	884,324	9,255	893,579
September	627,730	14,973	854,343	11,159	865,502
October	713,551	16,061	973,748	12,299	986,047
November	682,489	13,467	989,030	16,698	1,005,728
December	689,757	14,942	944,866	11,749	956,615
Totals	8,382,601	166,912	11,108,607	142,389	11,250,996
<u>1969</u>					
January	708,626	14,822	986,844	11,731	998,575
February	647,814	16,029	899,685	12,554	912,239
March	768,830	17,506	1,022,559 (1)	13,398	1,035,957 (1)
April	774,949	17,889	1,012,947 (1)	14,239	1,027,186 (1)
May	782,891	15,862	1,012,875	15,033	1,027,908
June					
July					
August					
September					
October					
November					
December					
Totals					

(1) Includes revisions for March and April 1969.

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>May</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	22,952	24,062	28,060	27,379
Over 4 1/2" outside diameter (excluding tubing and casing)	68,318	63,728	57,607	59,278
Mechanical and pressure tubing, casing and oil well tubing	19,720	19,861	19,545	19,461
Totals	110,990	107,651	105,212	106,118
<u>Steel pipe fittings</u>				
Buttwelding fittings	115	173	81	108
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	325	561	642	691
Totals	440	734	723	799

(1) Included with "Other".

TABLE 9A. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Five months ended May</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	111,094	104,322	125,791	117,288
Over 4 1/2" outside diameter (excluding tubing and casing)	279,897	289,609	237,380	233,710
Mechanical and pressure tubing, casing and oil well tubing	91,478	93,863	105,328	105,310
Totals	482,469	487,794	468,499	456,308
<u>Steel pipe fittings</u>				
Buttwelding fittings	566	605	538	522
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	2,140	2,482	3,057	3,177
Totals	2,706	3,087	3,595	3,699

(1) Included with "Other".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
			net tons of 2,000	pounds	
<u>May 1969</u>					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	44,312	35,358	59,171	55,267	3,904
For forging and piercing	23,495	-	23,435	...	23,435
Rails	27,130	-	27,462	...	27,462
Wire rods	46,945	-	48,175	...	48,175
Structural shapes:					
Heavy	44,771	-	47,853	...	47,853
Bar-sized shapes	14,161	-	10,573	...	10,573
Concrete reinforcing bars	64,041	144	59,894	...	59,894
Other hot rolled bars:					
Flats	6,790	-	12,701	) 2,067	55,260
Other	52,551	-	44,626		
Tie plates and track material:					
Angle bars	979	-	897	...	897
Tie plates	8,799	-	9,204	...	9,204
Track spikes	912	-	874	...	874
Plates (including plates for pipes and tubes)	115,466	-	113,562	...	113,562
Hot rolled sheets	116,306	-	119,443	5,028	114,415
Hot rolled strip	20,869	-	35,335	90	35,245
Total hot rolled products ...	587,527	35,502	613,205	62,452	550,753
<u>Cold rolled and coated</u>					
Cold finished bars	6,334	-	6,165	...	6,165
Cold reduced sheets and strip, tin mill black plate and tin plate	142,038	-	139,967	4,475	135,492
Galvanized sheets	58,526	-	60,428	...	60,428
Total cold rolled and coated ..	206,898	-	206,560	4,475	202,085
Total carbon steel	794,425	35,502	819,765	66,927	752,838
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	7,483	-	7,483	...	7,483
Alloy plates	1,383	-	1,383	...	1,383
Other hot rolled bars including structurals, high speed steel and other alloy tool steel	20,630	-	20,487	46	20,441
Cold finished bars	563	-	527	...	527
Wire rods	27	-	27	...	27
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel	7,592	5,260	10,449	...	10,449
Total alloy steel	37,678	5,260	40,356	46	40,310

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
			net tons of 2,000 pounds		
Five months ended May 1969					
Carbon steel					
Hot rolled					
Ingots and semi-finished shapes:					
For re-rolling	243,148	177,268	282,371	236,888	45,483
For forging and piercing	110,397	-	113,098	...	113,098
Rails	113,943	-	126,301	...	126,301
Wire rods	227,596	-	225,456	...	225,456
Structural shapes:					
Heavy	215,217	-	223,929	...	223,929
Bar-sized shapes	62,274	-	59,643	...	59,643
Concrete reinforcing bars	287,424	553	271,058	...	271,058
Other hot rolled bars:					
Flats	27,762	-	54,349	) 11,261	253,561
Other	242,675	-	210,473		
Tie plates and track material:					
Angle bars	3,204	-	3,000	...	3,000
Tie plates	33,781	-	35,355	...	35,355
Track spikes	5,731	-	5,678	...	5,678
Plates (including plates for pipes and tubes)	507,239	-	498,087	...	498,087
Hot rolled sheets	571,372(2)	5,672	573,678	21,636(2)	552,042(2)
Hot rolled strip	110,117	-	132,973	169	132,804
Total hot rolled products ...	2,761,880(2)	183,493	2,815,449	269,954(2)	2,545,495(2)
Cold rolled and coated					
Cold finished bars	35,298	-	34,989	...	34,989
Cold reduced sheets and strip, tin mill black plate and tin plate	717,711	-	739,241	21,043	718,198
Galvanized sheets	274,952	-	265,832	...	265,832
Total cold rolled and coated ..	1,027,961	-	1,040,062	21,043	1,019,019
Total carbon steel	3,789,841(2)	183,493	3,855,511	290,997(2)	3,564,514(2)
Alloy steel					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	36,701	-	36,701	...	36,701
Alloy plates	8,420	-	8,420	...	8,420
Other hot rolled bars including structurals, high speed steel and other alloy tool steel	106,831	-	105,906	172	105,734
Cold finished bars	2,772	-	2,565	...	2,565
Wire rods	1,719	-	1,719	...	1,719
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel	34,541	18,868	51,894(2)	...	51,894(2)
Total alloy steel	190,984	18,868	207,205(2)	172	207,033(2)

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

(2) Includes revisions for February, March and April 1969.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		May 1969		Five months ended May 1969	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres	94,359	3,189	433,882	13,855
b	Other warehouses	15,625	23	63,113	148
6	Automotive and aircraft industries	68,184	10,641	350,559	58,344
7	Agricultural	14,129	320	76,368	2,296
8a	Contractors - Building	52,943	21	214,377	84
b	Construction - Public and utility ..	3,763	-	21,112	-
c	Structural steel fabricators	89,489	962	394,725	4,551
9	Containers	40,934	57	242,982	117
10	Machinery and tools	26,351	4,062	119,879	16,762
11	Wire, wire products and fasteners ..	48,323	2,681	251,958	14,987
12	Natural resources and extractive industries	17,407	1,669	74,527	12,685
13	Appliances and utensils	18,511	213	89,138	1,088
14	Other metal stamping and pressing ..	40,086	868	197,755	5,367
16	Railway operating	38,571	1	160,840	5
17	Railroad cars and locomotives	9,715	150	47,072	773
18	Shipbuilding	6,549	36	28,735	2,187
19	Pipes and tubes	99,790	5,797	437,368(2)	30,201
20	Miscellaneous	7,269	52	38,771	119
	Total domestic shipments	691,998	30,742	3,243,161(2)	163,569
5a	Export - For conversion and return	-	2,299	37,148	16,347(2)
b	<u>Other export (for final sale)</u>				
i	USA	44,198	4,870	225,108	18,421
ii	Other countries	16,642	2,399	59,097	8,696
	Total domestic and export shipments	752,838	40,310	3,564,514(2)	207,033
	Production, (for sale only)	794,425	37,678	3,789,841(2)	190,984
	Imports by producers (including conversion)	35,502	5,260	183,493	18,868

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes revisions for February, March and April 1969.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
May 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres	29	180	59	7,893	2,506	15,273	10,120
b	Other warehouses	-	124	-	1,935	570	4,506	1,114
6	Automotive and aircraft industries	3,790	-	25	197	17	5	17,231
7	Agriculture	-	-	32	466	762	-	3,050
8a	Contractors - Building ...	-	104	24	361	178	8,872	310
b	Construction - Public and utility	-	-	-	952	(- 460)	1,434	258
c	Structural steel fabri- cators	151	34	860	29,277	5,119	16,783	8,462
9	Containers	-	-	-	-	-	-	8
10	Machinery and tools	15	38	1,520	692	226	15	4,048
11	Wire, wire products and fasteners	243	-	38,666	44	211	4	7,350
12	Natural resources and extractive industries ..	551	374	-	1,720	129	1,297	9,487
13	Appliances and utensils ..	-	-	-	76	6	-	263
14	Other metal stamping and pressing	436	2	70	260	385	10,952	3,240
16	Railway operating	-	25,507	-	154	100	-	602
17	Railroad cars and loco- motives	3,753	-	-	601	53	-	260
18	Shipbuilding	-	-	-	1,302	75	-	354
19	Pipes and tubes	15,223	-	56	-	-	-	80
20	Miscellaneous	5,176	20	328	(- 3)	43	364	457
	Total domestic shipments	29,367	26,383	41,640	45,927	9,920	59,505	66,694
5a	Export - For conversion and return	-	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	5,455	1,079	3,389	1,926	653	389	7,746
ii	Other countries	-	-	3,173	-	-	-	1,261
	Total domestic and exports shipments ..	34,822	27,462	48,202	47,853	10,573	59,894	75,701
	Production (for sale only)	75,290	27,130	46,972	44,771	14,161	64,041	79,971
	Imports by producers (in- cluding conversion)	35,358	-	-	-	-	144	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
May 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
68	16,129	15,660	593	2,739	15,179	11,120	97,548	4a
51	2,119	3,569	785	-	875	-	15,648	b
-	1,145	36,080	2,936	1,536	14,506	1,357	78,825	6
-	1,415	4,458	197	833	2,579	657	14,449	7
26	1,343	4,763	242	11	6,052	30,678	52,964	8a
4	236	945	-	-	394	-	3,763	b
11	21,574	4,136	705	81	605	2,653	90,451	c
-	-	503	141	-	40,153	186	40,991	9
-	6,609	5,780	777	738	9,005	950	30,413	10
2	423	1,400	29	251	2,075	306	51,004	11
48	2,331	746	39	16	1,050	1,288	19,076	12
-	68	2,953	221	140	11,996	3,001	18,724	13
-	3,396	6,649	882	202	11,961	2,519	40,954	14
10,680	1,144	322	-	-	9	54	38,572	16
-	3,655	1,394	-	-	36	113	9,865	17
-	4,711	128	-	-	-	15	6,585	18
-	43,727	12,817	27,266	18	5,814	586	105,587	19
-	-	1	27	29	672	207	7,321	20
10,890	110,025	102,304	34,840	6,594	122,961	55,690	722,740	
-	-	-	-	-	2,299	-	2,299	5a
								b
85	4,920	10,126	405	92	9,112	3,691	49,068	i
-	-	1,985	-	6	11,569	1,047	19,041	ii
10,975	114,945	114,415	35,245	6,692	145,941	60,428	793,148	
10,690	116,849	116,306	20,869	6,897	149,630	58,526	832,103	
-	-	-	-	-	5,260	-	40,762	

(2) Includes silicon sheets and strips and stainless steel.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Five Months Ended May 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres	177	939	298	38,850	17,864	62,523	45,801
b	Other warehouses	24	443	-	8,602	2,556	14,052	2,255
6	Automotive and aircraft industries	15,166	-	227	656	103	65	92,311
7	Agriculture	315	-	32	2,151	3,066	-	18,868
8a	Contractors - Building ...	-	186	29	1,842	567	29,947	2,171
b	Construction - Public and utility	-	-	-	3,388	4	10,262	1,139
c	Structural steel fabri- cators	675	214	2,833	134,555	23,935	79,287	30,907
9	Containers	-	-	-	-	-	-	25
10	Machinery and tools	148	108	5,371	3,522	1,082	157	17,536
11	Wire, wire products and fasteners	5,179	-	196,935	299	1,163	237	38,389
12	Natural resources and extractive industries ..	3,328	4,170	-	3,705	366	5,506	45,618
13	Appliances and utensils ..	-	20	-	743	105	137	543
14	Other metal stamping and pressing	2,051	643	540	1,659	2,329	65,546	15,172
16	Railway operating	47	111,916	-	1,174	318	-	2,175
17	Railroad cars and loco- motives	12,690	77	-	7,033	240	-	2,293
18	Shipbuilding	-	5	-	4,458	103	-	765
19	Pipes and tubes	78,606	-	413	-	-	-	119
20	Miscellaneous	27,189	20	1,743	88	104	1,954	2,370
	Total domestic shipments	145,595	118,741	208,421	212,725	53,905	269,673	318,457
5a	Export - For conversion and return	37,148	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	12,539	7,554	12,526	11,190	5,738	803	37,833
ii	Other countries	-	6	6,228	14	-	582	3,005
	Total domestic and exports shipments ..	195,282	126,301	227,175	223,929	59,643	271,058	359,295
	Production (for sale only)	390,246	113,943	229,315	215,217	62,274	287,424	377,268
	Imports by producers (in- cluding conversion)	177,268	-	-	-	-	553	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Five Months Ended May 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
306	72,538	66,768	1,262	12,700	79,115	48,596	447,737	4a
67	9,134	15,905	4,056	-	6,167	-	63,261	b
-	3,985	190,105	12,245	9,322	76,281	8,437	408,903	6
-	6,564	25,527	1,559	5,954	12,271	2,357	78,664	7
51	8,036	20,384	1,468	151	25,193	124,436	214,461	8a
33	1,014	3,650	-	-	1,409	213	21,112	b
17	93,871	14,759	2,269	260	4,342	11,352	399,276	c
-	202	2,049	683	20	239,428	692	243,099	9
-	28,150	23,431	4,233	4,314	43,731	4,858	136,641	10
2,256	2,201	8,048	149	1,189	9,446	1,454	266,945	11
314	9,969	4,904	39	56	3,862	5,375	87,212	12
-	1,397	12,111	823	965	60,701	12,681	90,226	13
19	10,427	25,087	3,782	1,432	64,610	9,825	203,122	14
40,819	3,289	860	-	37	94	116	160,845	16
1	14,863	9,585	-	7	36	1,020	47,845	17
-	24,198	1,033	163	17	8	172	30,922	18
-	188,737	70,840(3)	96,970	130	28,919	2,835	467,569(3)	19
-	(- 13)	13	73	192	4,369	788	38,890	20
43,883	478,562	495,059(3)	129,774	36,746	659,982	235,207	3,406,730(3)	
-	-	-	-	-	16,347(3)	-	53,495(3)	5a
								b
120	27,945	52,287	3,030	702	47,511	23,751	243,529	i
30	-	4,696	-	106	46,252	6,874	67,793	ii
44,033	506,507	552,042(3)	132,804	37,554	770,092(3)	265,832	3,771,547(3)	
42,716	515,659	571,372(3)	110,117	38,070	752,252	274,952	3,980,825(3)	
-	-	5,672	-	-	18,868	-	202,361	

(2) Includes silicon sheets and strips and stainless steel.

(3) Includes revisions for February, March and April 1969.

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P preliminary figures.

r revised figures.

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of the Statistics Act.

NOTE

The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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TABLE 1. Pig Iron Capacity, December 31, 1968

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces	15	9,005,000	2	332,000
Electric furnaces	11	575,000	-	-
Totals	26	9,580,000	2	332,000

TABLE 2. Iron Blast Furnaces Charges(1)

	June 1969	Six months ended June 1969
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines	20,138	163,459
From foreign mines	52,000	218,085
Pyrite cinder	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines	666,988	4,287,408
From foreign mines	194,485	1,021,253
From own processing	98,368	588,040
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.)	26,908	149,027
Scrap iron and steel	16,034	71,135
Limestone	56,082	400,999
Dolomite	41,275	228,675
Coke	382,158	2,319,358

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>June</u>				
<u>Pig iron</u>				
Basic	651,346	15,058	633,601	1,641
Foundry (including silvery pig)(2)	47,770	52,802	50,035	73,861
Malleable	8,988	19,443	42,855	17,021
Total pig iron	708,104	87,303	726,491	92,523
Ferro-alloys	11,982	15,584	18,453	19,902
Stocks of pig iron on hand at end of month	426,287		312,918	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 3A. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Six months ended June</u>				
<u>Pig iron</u>				
Basic	3,875,108	68,448	3,883,526	21,515
Foundry (including silvery pig)(2)	278,606	145,021	316,537	254,431
Malleable	107,680	89,161	209,538	111,850
Total pig iron	4,261,394	302,630	4,409,601	387,796
Ferro-alloys	83,529	88,022	100,561	110,756

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Steel Furnace Capacity, December 31, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth	6,970,000
Electric	1,923,650
Basic oxygen furnace	3,800,000
Total ingots	12,693,650
Steel castings	420,725
Total ingots and castings	13,114,375

TABLE 5. Pig Iron and Scrap charged to Steel Furnaces

	June		Six months ended June	
	1968	1969	1968	1969
	net tons of 2,000 pounds			
Pig iron	627,096	633,329	3,705,346	3,844,519
Scrap - Own make	286,796	294,699	1,650,707	1,812,526
Purchased	165,944	187,038	1,025,939	1,099,126
Total pig iron and scrap	1,079,836	1,115,066	6,381,992	6,756,171

TABLE 6. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>June</u>				
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth	812,332	18,545	837,209	17,777
Electric	125,901	17,721	137,531	22,900
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	938,233	36,266	974,740	40,677
Continuous cast steel included in above	89,514 ^r	x	113,887	x
Alloy steel ingots included in above	62,029	x	77,436	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	-	-	-	-
Electric	10,821	12,492	13,888	14,094
Basic oxygen furnace	-	-	-	-
Total steel castings	10,821	12,492	13,888	14,094
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	396	269	613	346
Manganese and abrasion resistant	1,659	1,740	1,949	1,879
All other alloys	478	611	946	946
Total alloy castings	2,533	2,620	3,508	3,171

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

TABLE 6A. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
net tons of 2,000 pounds				
<u>Six months ended June</u>				
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	4,874,118	65,828	5,112,174	98,964
Electric	689,764	108,331	797,476	136,920
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	5,563,882	174,159	5,909,650	235,884
Continuous cast steel included in above	509,535 ^r	x	650,532(4)	x
Alloy steel ingots included in above	366,179	x	476,046	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	(3)	(3)	-	-
Electric	74,162	71,171	80,843	78,317
Basic oxygen furnace	-	-	-	-
Total steel castings	74,162	71,171	80,843	78,317
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	2,701	1,847	3,919	2,399
Manganese and abrasion resistant	11,438	12,203	12,338	12,961
All other alloys	3,521	3,597	5,430	5,360
Total alloy castings	17,660	17,647	21,687	20,720

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

(4) Includes revisions to date.

TABLE 7. Disposition of Shipments(1) of Steel Castings

	June 1969		Six months ended June 1969	
	Carbon	Alloy	Carbon	Alloy
net tons of 2,000 pounds				
Wholesalers and warehouses	-	6	-	20
Export	963	204	7,473	1,899
Automotive and aircraft industries	621	-	3,112	-
Agricultural (including implement and equipment manufacturers)	100	40	562	191
Construction (including public works, public utilities and structural steel fabricators) ...	89	337	560	2,532
Machinery and tools	2,029	960	10,395	6,325
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.)	968	893	4,326	5,330
Railway operating	3,574	199	20,357	1,592
Railroad cars and locomotives	2,293	240	9,293	882
Shipbuilding	23	17	180	58
Miscellaneous (including grinding balls and railway car wheels)	263	275	1,339	1,891
Totals	10,923	3,171	57,597	20,720

(1) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request. Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
	net tons of 2,000 pounds				
<u>1968</u>					
January	617,812	13,709	867,962	14,682	882,644
February	674,574	15,387	857,665	12,112	869,777
March	774,150	14,104	986,974	12,265	999,239
April	739,159	15,121	934,155	11,644	945,799
May	747,595	13,226	978,893	12,638	991,531
June	708,104	11,982	938,233	10,821	949,054
July	734,172	11,853	898,414	7,067	905,481
August	673,508	12,087	884,324	9,255	893,579
September	627,730	14,973	854,343	11,159	865,502
October	713,551	16,061	973,748	12,299	986,047
November	682,489	13,467	989,030	16,698	1,005,728
December	689,757	14,942	944,866	11,749	956,615
Totals	8,382,601	166,912	11,108,607	142,389	11,250,996
<u>1969</u>					
January	708,626	14,822	986,844	11,731	998,575
February	647,814	16,029	899,685	12,554	912,239
March	768,830	17,506	1,022,559 (1)	13,398	1,035,957 (1)
April	774,949	17,889	1,012,947 (1)	14,239	1,027,186 (1)
May	782,891	15,862	1,012,875	15,033	1,027,908
June	726,491	18,453	974,740	13,888	988,628
July					
August					
September					
October					
November					
December					
Totals					

(1) Includes revisions for March and April 1969.

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>June</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	21,136	19,636	24,872	26,175
Over 4 1/2" outside diameter (excluding tubing and casing)	71,446	69,466	58,035	59,170
Mechanical and pressure tubing, casing and oil well tubing	17,196	13,761	18,360	18,493
Totals	109,778	102,863	101,267	103,838
<u>Steel pipe fittings</u>				
Buttwelding fittings	152	228	65	92
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	361	461	581	548
Totals	513	689	646	640

(1) Included with "Other".

TABLE 9A. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Six months ended June</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	132,230	123,958	150,663	143,463
Over 4 1/2" outside diameter (excluding tubing and casing)	351,343	359,075	295,415	292,880
Mechanical and pressure tubing, casing and oil well tubing	108,674	107,624	123,688	123,803
Totals	592,247	590,657	569,766	560,146
<u>Steel pipe fittings</u>				
Buttwelding fittings	718	833	603	614
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	2,501	2,943	3,638	3,725
Totals	3,219	3,776	4,241	4,339

(1) Included with "Other".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
			net tons of 2,000	pounds	
<u>June 1969</u>					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	52,315	35,062	53,607	48,274	5,333
For forging and piercing	23,556	-	25,236	...	25,236
Rails	30,143	-	30,764	...	30,764
Wire rods	46,850	-	45,026	...	45,026
Structural shapes:					
Heavy	53,454	-	47,684	...	47,684
Bar-sized shapes	10,271	-	13,713	...	13,713
Concrete reinforcing bars	58,214	-	65,250	...	65,250
Other hot rolled bars:					
Flats	4,370	-	11,857)	2,884	50,630
Other	47,452	-	41,657)		
Tie plates and track material:					
Angle bars	1,030	-	946	...	946
Tie plates	9,473	-	9,402	...	9,402
Track spikes	1,371	-	1,348	...	1,348
Plates (including plates for pipes and tubes)	98,077	-	98,028	...	98,028
Hot rolled sheets	114,574	-	117,763	6,159	111,604
Hot rolled strip	22,213	-	28,758	6	28,752
Total hot rolled products ...	573,363	35,062	591,039	57,323	533,716
<u>Cold rolled and coated</u>					
Cold finished bars	6,979	-	6,986	...	6,986
Cold reduced sheets and strip, tin mill black plate and tin plate	140,512	-	140,817	3,812	137,005
Galvanized sheets	59,859	-	60,270	...	60,270
Total cold rolled and coated ..	207,350	-	208,073	3,812	204,261
Total carbon steel	780,713	35,062	799,112	61,135	737,977
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	7,026	-	7,026	...	7,026
Alloy plates	1,367	-	1,367	...	1,367
Other hot rolled bars including structurals, high speed steel and other alloy tool steel	19,636	-	19,851	64	19,787
Cold finished bars	565	-	593	...	593
Wire rods	903	-	903	...	903
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel	7,102	1,150	8,028	...	8,028
Total alloy steel	36,599	1,150	37,768	64	37,704

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
			net tons of 2,000 pounds		
Six months ended June 1969					
Carbon steel					
Hot rolled					
Ingots and semi-finished shapes:					
For re-rolling	295,463	212,330	335,978	285,162	50,816
For forging and piercing	133,953	-	138,334	...	138,334
Rails	144,086	-	157,065	...	157,065
Wire rods	274,446	-	270,482	...	270,482
Structural shapes:					
Heavy	268,671	-	271,613	...	271,613
Bar-sized shapes	72,545	-	73,356	...	73,356
Concrete reinforcing bars	345,638	553	336,308	...	336,308
Other hot rolled bars:					
Flats	32,132	-	66,206)	14,145	304,191
Other	290,127	-	252,130)		
Tie plates and track material:					
Angle bars	4,234	-	3,946	...	3,946
Tie plates	43,254	-	44,757	...	44,757
Track spikes	7,102	-	7,026	...	7,026
Plates (including plates for pipes and tubes)	605,316	-	596,115	...	596,115
Hot rolled sheets	685,946	5,672	691,441	27,795	663,646
Hot rolled strip	132,330	-	161,731	175	161,556
Total hot rolled products ...	3,335,243	218,555	3,406,488	327,277	3,079,211
Cold rolled and coated					
Cold finished bars	42,277	-	41,975	...	41,975
Cold reduced sheets and strip, tin mill black plate and tin plate	858,223	-	880,058	24,855	855,203
Galvanized sheets	334,811	-	326,102	...	326,102
Total cold rolled and coated ..	1,235,311	-	1,248,135	24,855	1,223,280
Total carbon steel	4,570,554	218,555	4,654,623	352,132	4,302,491
Alloy steel					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	43,727	-	43,727	...	43,727
Alloy plates	9,787	-	9,787	...	9,787
Other hot rolled bars including structurals, high speed steel and other alloy tool steel	126,467	-	125,757	236	125,521
Cold finished bars	3,337	-	3,158	...	3,158
Wire rods	2,622	-	2,622	...	2,622
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel	41,643	20,018	59,922	...	59,922
Total alloy steel	227,583	20,018	244,973	236	244,737

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		June 1969		Six months ended June 1969	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres	95,498	2,943	529,380	16,798
b	Other warehouses	10,727	66	73,840	214
6	Automotive and aircraft industries	72,107	11,181	422,666	69,525
7	Agricultural	13,684	462	90,052	2,758
8a	Contractors - Building	50,811	16	265,188	100
b	Construction - Public and utility ..	4,493	-	25,605	-
c	Structural steel fabricators	94,602	838	489,327	5,389
9	Containers	41,185	69	284,167	186
10	Machinery and tools	26,208	3,468	146,087	20,230
11	Wire, wire products and fasteners ..	48,948	4,593	300,906	19,580
12	Natural resources and extractive industries	13,007	1,441	87,534	14,126
13	Appliances and utensils	17,672	174	106,810	1,262
14	Other metal stamping and pressing ..	41,046	829	238,801	6,196
16	Railway operating	37,954	-	198,794	5
17	Railroad cars and locomotives	8,046	49	55,118	822
18	Shipbuilding	4,678	5	33,413	2,192
19	Pipes and tubes	97,582	5,556	534,950	35,757
20	Miscellaneous	6,523	66	45,294	185
	Total domestic shipments	684,771	31,756	3,927,932	195,325
5a	Export - For conversion and return	-	732	37,148	17,079
b	Other export (for final sale)				
i	USA	42,701	4,071	267,809	22,492
ii	Other countries	10,505	1,145	69,602	9,841
	Total domestic and export shipments	737,977	37,704	4,302,491	244,737
	Production, (for sale only)	780,713	36,599	4,570,554	227,583
	Imports by producers (including conversion)	35,062	1,150	218,555	20,018

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
June 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres	12	173	17	9,297	3,015	18,013	9,619
b	Other warehouses	1	211	-	2,015	806	1,417	540
6	Automotive and aircraft industries	4,371	-	73	129	27	-	15,999
7	Agriculture	-	-	7	423	765	-	3,683
8a	Contractors - Building ...	-	3	352	551	42	10,884	232
b	Construction - Public and utility	-	-	-	27	-	2,878	341
c	Structural steel fabri- cators	19	44	1,109	31,067	6,514	20,343	10,163
9	Containers	-	-	-	(- 9)	-	-	1
10	Machinery and tools	5	-	1,229	200	426	108	3,753
11	Wire, wire products and fasteners	710	-	38,332	-	172	9	9,493
12	Natural resources and extractive industries ..	278	607	-	238	54	1,004	8,244
13	Appliances and utensils ..	-	-	-	-	30	-	95
14	Other metal stamping and pressing	410	(- 6)	149	363	773	9,994	2,215
16	Railway operating	-	25,703	-	111	90	-	272
17	Railroad cars and loco- motives	3,037	-	-	832	61	6	394
18	Shipbuilding	-	3	-	149	24	-	193
19	Pipes and tubes	18,113	-	155	-	-	-	-
20	Miscellaneous	4,357	1	432	-	-	194	399
Total domestic shipments		31,313	26,739	41,855	45,393	12,799	64,850	65,636
5a	Export - For conversion and return	-	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	6,282	4,025	2,639	2,291	914	41	4,492
ii	Other countries	-	-	1,435	-	-	359	289
Total domestic and exports shipments ..		37,595	30,764	45,929	47,684	13,713	65,250	70,417
Production (for sale only)		82,897	30,143	47,753	53,454	10,271	58,214	71,458
Imports by producers (in- cluding conversion)		35,062	-	-	-	-	-	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

June 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
47	12,158	16,556	212	3,250	15,176	10,896	98,441	4a
1	2,451	2,062	301	-	988	-	10,793	b
-	892	38,458	3,474	1,625	16,155	2,085	83,288	6
-	2,135	4,225	235	660	1,783	230	14,146	7
-	1,524	3,671	314	4	5,800	27,450	50,827	8a
-	124	607	-	-	356	160	4,493	b
2	16,041	4,148	788	35	546	4,621	95,440	c
-	-	779	129	5	40,267	82	41,254	9
-	5,613	5,781	919	978	9,686	978	29,676	10
475	327	1,755	31	156	1,766	315	53,541	11
72	1,282	566	-	5	718	1,380	14,448	12
-	186	2,241	137	261	12,749	2,147	17,846	13
1	3,189	5,787	838	258	15,319	2,585	41,875	14
11,051	496	169	-	13	-	49	37,954	16
-	3,256	390	-	-	3	116	8,095	17
-	3,839	452	19	-	4	-	4,683	18
-	42,485	14,843	21,079	21	5,895	547	103,138	19
8	-	159	22	77	867	73	6,589	20
11,657	95,998	102,649	28,498	7,348	128,078	53,714	716,527	
-	-	-	-	-	732	-	732	5a
-	-	-	-	-	-	-	-	b
39	3,397	7,993	254	229	8,593	5,583	46,772	i
-	-	962	-	2	7,630	973	11,650	ii
11,696	99,395	111,604	28,752	7,579	145,033	60,270	775,681	
11,874	99,444	114,574	22,213	7,544	147,614	59,859	817,312	
-	-	-	-	-	1,150	-	36,212	

(2) Includes silicon sheets and strips and stainless steel.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Six months ended June 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres	189	1,112	315	48,147	20,879	80,536	55,420
b	Other warehouses	25	654	-	10,617	3,362	15,469	2,795
6	Automotive and aircraft industries	19,537	-	300	785	130	65	108,310
7	Agriculture	315	-	39	2,574	3,831	-	22,551
8a	Contractors - Building ...	-	189	381	2,393	609	40,831	2,403
b	Construction - Public and utility	-	-	-	3,415	4	13,140	1,480
c	Structural steel fabri- cators	694	258	3,942	165,622	30,449	99,630	41,070
9	Containers	-	-	-	(- 9)	-	-	26
10	Machinery and tools	153	108	6,600	3,722	1,508	265	21,289
11	Wire, wire products and fasteners	5,889	-	235,267	299	1,335	246	47,882
12	Natural resources and extractive industries ..	3,606	4,777	-	3,943	420	6,510	53,862
13	Appliances and utensils ..	-	20	-	743	135	137	638
14	Other metal stamping and pressing	2,461	637	689	2,022	3,102	75,540	17,387
16	Railway operating	47	137,619	-	1,285	408	-	2,447
17	Railroad cars and loco- motives	15,727	77	-	7,865	301	6	2,687
18	Shipbuilding	-	8	-	4,607	127	-	958
19	Pipes and tubes	96,719	-	568	-	-	-	119
20	Miscellaneous	31,546	21	2,175	88	104	2,148	2,769
Total domestic shipments		176,908	145,480	250,276	258,118	66,704	334,523	384,093
5a	Export - For conversion and return	37,148	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	18,821	11,579	15,165	13,481	6,652	844	42,325
ii	Other countries	-	6	7,663	14	-	941	3,294
Total domestic and exports shipments ..		232,877	157,065	273,104	271,613	73,356	336,308	429,712
Production (for sale only)		473,143	144,086	277,068	268,671	72,545	345,638	448,726
Imports by producers (in- cluding conversion)		212,330	-	-	-	-	553	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Six months ended June 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
353	84,696	83,324	1,474	15,950	94,291	59,492	546,178	4a
68	11,585	17,967	4,357	-	7,155	-	74,054	b
-	4,877	228,563	15,719	10,947	92,436	10,522	492,191	6
-	8,699	29,752	1,794	6,614	14,054	2,587	92,810	7
51	9,560	24,055	1,782	155	30,993	151,886	265,288	8a
33	1,138	4,257	-	-	1,765	373	25,605	b
19	109,912	18,907	3,057	295	4,888	15,973	494,716	c
-	202	2,828	812	25	279,695	774	284,353	9
-	33,763	29,212	5,152	5,292	53,417	5,836	166,317	10
2,731	2,528	9,803	180	1,345	11,212	1,769	320,486	11
386	11,251	5,470	39	61	4,580	6,755	101,660	12
-	1,583	14,352	960	1,226	73,450	14,828	108,072	13
20	13,616	30,874	4,620	1,690	79,929	12,410	244,997	14
51,870	3,785	1,029	-	50	94	165	198,799	16
1	18,119	9,975	-	7	39	1,136	55,940	17
-	28,037	1,485	182	17	12	172	35,605	18
-	231,222	85,683	118,049	151	34,814	3,382	570,707	19
8	(- 13)	172	95	269	5,236	861	45,479	20
55,540	574,560	597,708	158,272	44,094	788,060	288,921	4,123,257	
-	-	-	-	-	17,079	-	54,227	5a
								b
159	31,342	60,280	3,284	931	56,104	29,334	290,301	i
30	-	5,658	-	108	53,882	7,847	79,443	ii
55,729	605,902	663,646	161,556	45,133	915,125	326,102	4,547,228	
54,590	615,103	685,946	132,330	45,614	899,866	334,811	4,798,137	
-	-	5,672	-	-	20,018	-	238,573	

(2) Includes silicon sheets and strips and stainless steel.

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of the Statistics Act.

NOTE

The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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TABLE 1. Pig Iron Capacity, December 31, 1968

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces	15	9,005,000	2	332,000
Electric furnaces	11	575,000	-	-
Totals	26	9,580,000	2	332,000

TABLE 2. Iron Blast Furnaces Charges(1)

	July 1969	Seven months ended July 1969
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines	40,395	214,760(3)
From foreign mines	93,531	311,616
Pyrite cinder	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines	593,108	4,880,516
From foreign mines	233,600	1,254,853
From own processing	102,572	690,612
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.)	25,931	174,958
Scrap iron and steel	13,817	84,952
Limestone	67,890	468,889
Dolomite	46,450	275,125
Coke	387,407	2,706,765

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

(3) Includes a revision for June 1969.

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>July</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	642,898	17,547	649,887	3,333
Foundry (including silvery pig) (2)	47,371	59,928	46,878	70,236
Malleable	43,903	14,297	35,525	13,230
Total pig iron	734,172	91,772	732,290	86,799
Ferro-alloys	11,853	10,400	15,152	15,085
Stocks of pig iron on hand at end of month	422,819		308,012	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 3A. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>Seven months ended July</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	4,518,006	85,995	4,533,413	24,848
Foundry (including silvery pig) (2)	325,977	204,949	363,415	324,667
Malleable	151,583	103,458	245,063	125,080
Total pig iron	4,995,566	394,402	5,141,891	474,595
Ferro-alloys	95,382	98,422	115,713	125,841

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Steel Furnace Capacity, December 31, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth	6,970,000
Electric	1,923,650
Basic oxygen furnace	3,800,000
Total ingots	12,693,650
Steel castings	420,725
Total ingots and castings	13,114,375

TABLE 5. Pig Iron and Scrap charged to Steel Furnaces

	July		Seven months ended July	
	1968	1969	1968	1969(1)
	net tons of 2,000 pounds			
Pig iron	625,472	480,947	4,330,818	4,325,466
Scrap - Own make	254,427	225,838	1,905,134	2,038,801
Purchased	161,364	160,217	1,187,303	1,260,019
Total pig iron and scrap	1,041,263	867,002	7,423,255	7,624,286

(1) Includes revisions to date.

TABLE 6. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>July</u>				
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth	796,930	17,910	826,096	11,039
Electric	101,484	15,664	116,772	21,139
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	898,414	33,574	942,868	32,178
Continuous cast steel included in above	86,670 ^r	x	100,555	x
Alloy steel ingots included in above	51,780	x	87,591	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	-	-	-	-
Electric	7,067	7,616	10,659	11,045
Basic oxygen furnace	-	-	-	-
Total steel castings	7,067	7,616	10,659	11,045
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	349	223	649	359
Manganese and abrasion resistant	1,375	1,461	1,585	1,978
All other alloys	423	437	775	662
Total alloy castings	2,147	2,121	3,009	2,999

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

TABLE 6A. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
Seven months ended July				
net tons of 2,000 pounds				
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	5,671,048	83,738	5,938,270	110,003
Electric	791,248	123,995	915,309(4)	158,059
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	6,462,296	207,733	6,853,579(4)	268,062
Continuous cast steel included in above	596,205 ^r	x	752,943(4)	x
Alloy steel ingots included in above	417,959	x	562,842(4)	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	(3)	(3)	-	-
Electric	81,229	78,787	91,502	89,362
Basic oxygen furnace	-	-	-	-
Total steel castings	81,229	78,787	91,502	89,362
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	3,050	2,070	4,568	2,758
Manganese and abrasion resistant	12,813	13,664	13,923	14,939
All other alloys	3,944	4,034	6,205	6,022
Total alloy castings	19,807	19,768	24,696	23,719

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

(4) Includes revisions to date.

TABLE 7. Disposition of Shipments(1) of Steel Castings

	July 1969		Seven months ended July 1969	
	Carbon	Alloy	Carbon	Alloy
net tons of 2,000 pounds				
Wholesalers and warehouses	-	7	-	27
Export	820	198	8,293	2,097
Automotive and aircraft industries	623	-	3,735	-
Agricultural (including implement and equipment manufacturers)	73	26	635	217
Construction (including public works, public utilities and structural steel fabricators) ...	76	380	636	2,912
Machinery and tools	1,712	930	12,107	7,255
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.)	683	822	5,009	6,152
Railway operating	2,444	224	22,801	1,816
Railroad cars and locomotives	1,384	169	10,677	1,051
Shipbuilding	19	11	199	69
Miscellaneous (including grinding balls and railway car wheels)	212	232	1,551	2,123
Totals	8,046	2,999	65,643	23,719

(1) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request. Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
			net tons of 2,000 pounds		
<u>1968</u>					
January	617,812	13,709	867,962	14,682	882,644
February	674,574	15,387	857,665	12,112	869,777
March	774,150	14,104	986,974	12,265	999,239
April	739,159	15,121	934,155	11,644	945,799
May	747,595	13,226	978,893	12,638	991,531
June	708,104	11,982	938,233	10,821	949,054
July	734,172	11,853	898,414	7,067	905,481
August	673,508	12,087	884,324	9,255	893,579
September	627,730	14,973	854,343	11,159	865,502
October	713,551	16,061	973,748	12,299	986,047
November	682,489	13,467	989,030	16,698	1,005,728
December	689,757	14,942	944,866	11,749	956,615
Totals	8,382,601	166,912	11,108,607	142,389	11,250,996
<u>1969</u>					
January	708,626	14,822	986,844	11,731	998,575
February	647,814	16,029	899,685	12,554	912,239
March	768,830	17,506	1,022,559 (1)	13,398	1,035,957 (1)
April	774,949	17,889	1,012,947 (1)	14,239	1,027,186 (1)
May	782,891	15,862	1,012,875	15,033	1,027,908
June	726,491	18,453	974,740	13,888	988,628
July	732,290	15,152	942,868	10,659	953,527
August					
September					
October					
November					
December					
Totals					

(1) Includes revisions for March and April 1969.

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>July</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	20,240	22,305	24,702	26,316
Over 4 1/2" outside diameter (excluding tubing and casing)	67,242	53,034	46,361	63,432
Mechanical and pressure tubing, casing and oil well tubing	16,662	16,643	18,361	20,405
Totals	104,144	91,982	89,424	110,153
<u>Steel pipe fittings</u>				
Buttwelding fittings	158	209	71	113
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	386	500	526	680
Totals	544	709	597	793

(1) Included with "Other".

TABLE 9A. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Seven months ended July</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	152,470	146,263	175,365	169,779
Over 4 1/2" outside diameter (excluding tubing and casing)	418,585	412,109	341,776	356,312
Mechanical and pressure tubing, casing and oil well tubing	125,336	124,267	142,049	144,208
Totals	696,391	682,639	659,190	670,299
<u>Steel pipe fittings</u>				
Buttwelding fittings	876	1,042	674	727
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	2,887	3,443	4,164	4,405
Totals	3,763	4,485	4,838	5,132

(1) Included with "Other".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1) net tons of 2,000	Shipments for further processing(1) pounds	Net shipments
<u>July 1969</u>					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	44,232	4,319	43,527	34,994	8,533
For forging and piercing	17,821	-	17,715	...	17,715
Rails	29,183	-	29,283	...	29,283
Wire rods	48,789	-	50,655	...	50,655
Structural shapes:					
Heavy	40,371	-	47,649	...	47,649
Bar-sized shapes	11,980	-	11,480	...	11,480
Concrete reinforcing bars	63,587	-	80,978	...	80,978
Other hot rolled bars:					
Flats	10,596	-	11,949	) 2,216	49,822
Other	39,369	-	40,089)	
Tie plates and track material:					
Angle bars	2,161	-	2,056	...	2,056
Tie plates	4,078	-	3,205	...	3,205
Track spikes	1,598	-	1,574	...	1,574
Plates (including plates for pipes and tubes)	96,721	-	97,988	...	97,988
Hot rolled sheets	113,353	-	111,994	4,158	107,836
Hot rolled strip	20,338	-	27,771	...	27,771
Total hot rolled products ...	544,177	4,319	577,913	41,368	536,545
<u>Cold rolled and coated</u>					
Cold finished bars	5,992	-	5,740	...	5,740
Cold reduced sheets and strip, tin mill black plate and tin plate	164,642	-	162,830	3,659	159,171
Galvanized sheets	73,114	-	69,856	...	69,856
Total cold rolled and coated ..	243,748	-	238,426	3,659	234,767
Total carbon steel	787,925	4,319	816,339	45,027	771,312
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	7,117	-	7,117	...	7,117
Alloy plates	1,815	-	1,815	...	1,815
Other hot rolled bars including structurals, high speed steel and other alloy tool steel	21,872	-	22,142	72	22,070
Cold finished bars	419	-	377	...	377
Wire rods	341	-	341	...	341
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel	5,482	1,639	6,979	...	6,979
Total alloy steel	37,046	1,639	38,771	72	38,699

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments (1)	Shipments for further processing (1)	Net shipments
			net tons of 2,000	pounds	
Seven months ended July 1969					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	339,695	216,649	379,505	320,156	59,349
For forging and piercing	151,774	-	156,049	...	156,049
Rails	173,269	-	186,348	...	186,348
Wire rods	323,235	-	321,137	...	321,137
Structural shapes:					
Heavy	309,042	-	319,262	...	319,262
Bar-sized shapes	84,525	-	84,836	...	84,836
Concrete reinforcing bars	409,225	553	417,286	...	417,286
Other hot rolled bars:					
Flats	42,728	-	78,155	) 16,361	354,013
Other	329,496	-	292,219		
Tie plates and track material:					
Angle bars	6,395	-	6,002	...	6,002
Tie plates	47,332	-	47,962	...	47,962
Track spikes	8,700	-	8,600	...	8,600
Plates (including plates for pipes and tubes)	702,037	-	694,103	...	694,103
Hot rolled sheets	799,299	5,672	803,435	31,953	771,482
Hot rolled strip	152,668	-	189,502	175	189,327
Total hot rolled products ...	3,879,420	222,874	3,984,401	368,645	3,615,756
<u>Cold rolled and coated</u>					
Cold finished bars	48,269	-	47,715	...	47,715
Cold reduced sheets and strip, tin mill black plate and tin plate	1,022,865	-	1,042,888	28,514	1,014,374
Galvanized sheets	407,925	-	395,958	...	395,958
Total cold rolled and coated ..	1,479,059	-	1,486,561	28,514	1,458,047
Total carbon steel	5,358,479	222,874	5,470,962	397,159	5,073,803
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	50,844	-	50,844	...	50,844
Alloy plates	11,602	-	11,602	...	11,602
Other hot rolled bars including structurals, high speed steel and other alloy tool steel	148,339	-	147,899	308	147,591
Cold finished bars	3,756	-	3,535	...	3,535
Wire rods	2,963	-	2,963	...	2,963
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel	47,125	21,657	66,901	...	66,901
Total alloy steel	264,629	21,657	283,744	308	283,436

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		July 1969		Seven months ended July 1969	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres	101,662	2,004	631,042	18,802
b	Other warehouses	12,211	-	86,051	214
6	Automotive and aircraft industries	86,608	11,990	509,274	81,515
7	Agricultural	13,193	348	103,245	3,106
8a	Contractors - Building	58,776	-	323,964	100
b	Construction - Public and utility ..	4,045	5	29,650	5
c	Structural steel fabricators	98,345	1,388	587,672	6,777
9	Containers	55,364	6	339,531	192
10	Machinery and tools	24,792	2,506	170,879	22,736
11	Wire, wire products and fasteners ..	54,815	3,814	355,721	23,394
12	Natural resources and extractive industries	14,400	1,821	101,934	15,947
13	Appliances and utensils	15,005	184	121,815	1,446
14	Other metal stamping and pressing ..	43,305	1,203	282,106	7,399
16	Railway operating	31,591	-	230,385	5
17	Railroad cars and locomotives	7,689	39	62,807	861
18	Shipbuilding	3,518	-	36,931	2,192
19	Pipes and tubes	81,756	5,932	616,706	41,689
20	Miscellaneous	7,067	60	52,361	245
	Total domestic shipments	714,142	31,300	4,642,074	226,625
5a	Export - For conversion and return	-	1,318	37,148	18,397
b	Other export (for final sale)				
i	USA	44,928	3,450	312,737	25,942
ii	Other countries	12,242	2,631	81,844	12,472
	Total domestic and export shipments	771,312	38,699	5,073,803	283,436
	Production, (for sale only)	787,925	37,046	5,358,479	264,629
	Imports by producers (including conversion)	4,319	1,639	222,874	21,657

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
July 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres	4	26	61	9,004	3,974	21,729	8,200
b	Other warehouses	-	142	-	2,164	721	847	327
6	Automotive and aircraft industries	3,536	-	15	261	22	20	17,824
7	Agriculture	-	-	-	636	317	-	4,068
8a	Contractors - Building ...	-	21	64	998	47	9,935	548
b	Construction - Public and utility	-	-	-	463	-	2,001	118
c	Structural steel fabri- cators	275	60	283	27,933	4,553	28,414	7,494
9	Containers	-	-	-	9	-	-	-
10	Machinery and tools	36	57	1,195	831	197	76	3,152
11	Wire, wire products and fasteners	884	-	43,430	-	150	23	8,875
12	Natural resources and extractive industries ..	246	575	-	321	129	788	9,076
13	Appliances and utensils ..	-	-	-	12	2	149	80
14	Other metal stamping and pressing	485	-	260	639	338	15,393	2,982
16	Railway operating	-	24,673	-	303	67	-	414
17	Railroad cars and loco- motives	1,433	-	-	522	37	-	514
18	Shipbuilding	-	-	-	307	7	-	50
19	Pipes and tubes	13,343	-	-	-	-	124	-
20	Miscellaneous	3,829	-	919	-	-	1,155	324
Total domestic shipments		24,071	25,554	46,227	44,403	10,561	80,654	64,046
5a	Export - For conversion and return	-	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	9,294	3,729	3,109	3,246	919	274	6,140
ii	Other countries	-	-	1,660	-	-	50	1,706
Total domestic and exports shipments ..		33,365	29,283	50,996	47,649	11,480	80,978	71,892
Production (for sale only)		69,170	29,183	49,130	40,371	11,980	63,587	71,837
Imports by producers (in- cluding conversion)		4,319	-	-	-	-	-	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
July 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
42	14,129	12,898	147	2,613	19,640	11,199	103,666	4a
5	2,572	2,141	2,035	-	1,257	-	12,211	b
-	1,002	46,207	3,512	1,079	22,794	2,326	98,598	6
-	1,560	3,657	217	830	1,976	280	13,541	7
5	1,245	4,597	128	40	4,942	36,206	58,776	8a
26	156	1,123	-	-	163	-	4,050	b
5	19,584	3,502	1,170	161	916	5,383	99,733	c
-	-	899	86	-	54,280	96	55,370	9
-	5,836	4,049	1,070	844	8,744	1,211	27,298	10
387	786	2,344	82	149	1,232	287	58,629	11
243	1,205	696	23	-	1,425	1,494	16,221	12
-	388	1,678	229	73	10,142	2,436	15,189	13
-	2,964	4,453	625	210	13,447	2,712	44,508	14
5,660	393	76	-	-	-	5	31,591	16
-	4,989	225	-	-	-	8	7,728	17
-	3,088	23	-	9	-	34	3,518	18
-	35,385	13,863	18,447	15	6,025	486	87,688	19
-	11	72	-	13	639	165	7,127	20
6,373	95,293	102,503	27,771	6,036	147,622	64,328	745,442	
-	-	-	-	-	1,318	-	1,318	5a
-	-	-	-	-	-	-	-	b
462	4,510	5,128	-	71	7,584	3,912	48,378	i
-	-	205	-	10	9,626	1,616	14,873	ii
6,835	99,803	107,836	27,771	6,117	166,150	69,856	810,011	
7,837	98,536	113,353	20,338	6,411	170,124	73,114	824,971	
-	-	-	-	-	1,639	-	5,958	

(2) Includes silicon sheets and strips and stainless steel.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Seven Months Ended July 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres	193	1,138	376	57,151	24,853	102,265	63,620
b	Other warehouses	25	796	-	12,781	4,083	16,316	3,122
6	Automotive and aircraft industries	23,073	-	315	1,046	152	85	126,134
7	Agriculture	315	-	39	3,210	4,148	-	26,619
8a	Contractors - Building ...	-	210	445	3,391	656	50,766	2,951
b	Construction - Public and utility	-	-	-	3,878	4	15,141	1,598
c	Structural steel fabri- cators	969	318	4,225	193,555	35,002	128,044	48,564
9	Containers	-	-	-	-	-	-	26
10	Machinery and tools	189	165	7,795	4,553	1,705	341	24,441
11	Wire, wire products and fasteners	6,773	-	278,697	299	1,485	269	56,757
12	Natural resources and extractive industries ..	3,852	5,352	-	4,264	549	7,298	62,938
13	Appliances and utensils ..	-	20	-	755	137	286	718
14	Other metal stamping and pressing	2,946	637	949	2,661	3,440	90,933	20,369
16	Railway operating	47	162,292	-	1,588	475	-	2,861
17	Railroad cars and loco- motives	17,160	77	-	8,387	338	6	3,201
18	Shipbuilding	-	8	-	4,914	134	-	1,008
19	Pipes and tubes	110,062	-	568	-	-	124	119
20	Miscellaneous	35,375	21	3,094	88	104	3,303	3,093
	Total domestic shipments	200,979	171,034	296,503	302,521	77,265	415,177	448,139
5a	Export - For conversion and return	37,148	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	28,115	15,308	18,274	16,727	7,571	1,118	48,465
ii	Other countries	-	6	9,323	14	-	991	5,000
	Total domestic and exports shipments ..	266,242	186,348	324,100	319,262	84,836	417,286	501,604
	Production (for sale only)	542,313	173,269	326,198	309,042	84,525	409,225	520,563
	Imports by producers (in- cluding conversion)	216,649	-	-	-	-	553	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Seven Months Ended July 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
395	98,825	96,222	1,621	18,563	113,931	70,691	649,844	4a
73	14,157	20,108	6,392	-	8,412	-	86,265	b
-	5,879	274,770	19,231	12,026	115,230	12,848	590,789	6
-	10,259	33,409	2,011	7,444	16,030	2,867	106,351	7
56	10,805	28,652	1,910	195	35,935	188,092	324,064	8a
59	1,294	5,380	-	-	1,928	373	29,655	b
24	129,496	22,409	4,227	456	5,804	21,356	594,449	c
-	202	3,727	898	25	333,975	870	339,723	9
-	39,599	33,261	6,222	6,136	62,161	7,047	193,615	10
3,118	3,314	12,147	262	1,494	12,444	2,056	379,115	11
629	12,456	6,166	62	61	6,005	8,249	117,881	12
-	1,971	16,030	1,189	1,299	83,592	17,264	123,261	13
20	16,580	35,327	5,245	1,900	93,376	15,122	289,505	14
57,530	4,178	1,105	-	50	94	170	230,390	16
1	23,108	10,200	-	7	39	1,144	63,668	17
-	31,125	1,508	182	26	12	206	39,123	18
-	266,607	99,546	136,496	166	40,839	3,868	658,395	19
8	- 2	244	95	282	5,875	1,026	52,606	20
61,913	669,853	700,211	186,043	50,130	935,682	353,249	4,868,699	
-	-	-	-	-	18,397	-	55,545	5a
621	35,852	65,408	3,284	1,002	63,688	33,246	338,679	i
30	-	5,863	-	118	63,508	9,463	94,316	ii
62,564	705,705	771,482	189,327	51,250	1,081,275	395,958	5,357,239	
62,427	713,639	799,299	152,668	52,025	1,069,990	407,925	5,623,108	
-	-	5,672	-	-	21,657	-	244,531	

(2) Includes silicon sheets and strips and stainless steel.

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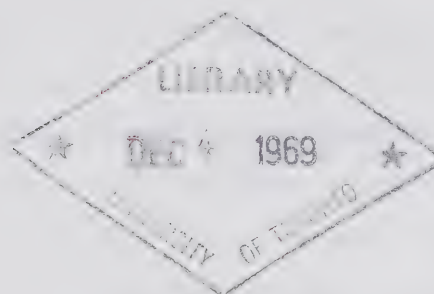
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NOTE

The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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TABLE 1. Pig Iron Capacity, December 31, 1968

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces	15	9,005,000	2	332,000
Electric furnaces	11	575,000	-	-
Totals	26	9,580,000	2	332,000

TABLE 2. Iron Blast Furnaces Charges(1)

	August 1969	Eight months ended August 1969
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines	13,544	228,304
From foreign mines	66,865	378,481
Pyrite cinder	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines	172,901	5,053,417
From foreign mines	88,409	1,343,262
From own processing	-	690,612
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.)	17,332	192,290
Scrap iron and steel	11,638	96,590
Limestone	28,299	497,188
Dolomite	35,474	310,599
Coke	136,549	2,843,314

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
August				
net tons of 2,000 pounds				
<u>Pig iron</u>				
Basic	583,847	14,797	238,056	17,689
Foundry (including silvery pig) (2)	47,346	74,406	48,641	43,008
Malleable	42,315	21,943	-	8,446
Total pig iron	673,508	111,146	286,697	69,143
Ferro-alloys	12,087	15,750	16,564	10,968
Stocks of pig iron on hand at end of month	376,866		188,553	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 3A. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
Eight months ended August				
net tons of 2,000 pounds				
<u>Pig iron</u>				
Basic	5,101,853	100,792	4,771,469	42,537
Foundry (including silvery pig) (2)	373,323	279,355	412,056	367,675
Malleable	193,898	125,401	245,063	133,526
Total pig iron	5,669,074	505,548	5,428,588	543,738
Ferro-alloys	107,469	114,172	132,277	136,809

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Steel Furnace Capacity, December 31, 1968

		Annual capacity
		net tons of 2,000 pounds
Ingots - Basic open hearth		6,970,000
Electric		1,923,650
Basic oxygen furnace		3,800,000
Total ingots		12,693,650
Steel castings		420,725
Total ingots and castings		13,114,375

TABLE 5. Pig Iron and Scrap charged to Steel Furnaces

	August		Eight months ended August	
	1968	1969	1968	1969
	net tons of 2,000 pounds			
Pig iron	594,058	215,811	4,924,876	4,541,277
Scrap - Own make	263,177	100,184	2,168,311	2,138,985
Purchased	152,772	133,053	1,340,075	1,393,072
Total pig iron and scrap	1,010,007	449,048	8,433,262	8,073,334

TABLE 6. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>August</u>				
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	769,864	9,433	272,844	21,661
Electric	114,460	24,351	113,053	20,103
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	884,324	33,784	385,897	41,764
Continuous cast steel included in above	83,434 ^r	x	65,262	x
Alloy steel ingots included in above	68,980	x	21,729	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	-	-	-	-
Electric	9,255	8,342	10,628	11,608
Basic oxygen furnace	-	-	-	-
Total steel castings	9,255	8,342	10,628	11,608
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	323	193	555	280
Manganese and abrasion resistant	1,407	1,299	1,568	1,924
All other alloys	583	495	934	814
Total alloy castings	2,313	1,987	3,057	3,018

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

TABLE 6A. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>Eight months ended August</u>	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	6,440,912	93,171	6,211,114	131,664
Electric	905,708	148,346	1,028,362	178,162
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	7,346,620	241,517	7,239,476	309,826
Continuous cast steel included in above	679,639 ^r	x	818,205	x
Alloy steel ingots included in above	486,939	x	584,571	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	(3)	(3)	-	-
Electric	90,484	87,129	102,130	100,970
Basic oxygen furnace	-	-	-	-
Total steel castings	90,484	87,129	102,130	100,970
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	3,373	2,263	5,123	3,038
Manganese and abrasion resistant	14,220	14,963	15,491	16,863
All other alloys	4,527	4,529	7,139	6,836
Total alloy castings	22,120	21,755	27,753	26,737

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

TABLE 7. Disposition of Shipments(1) of Steel Castings

	August 1969		Eight months ended August 1969	
	Carbon	Alloy	Carbon	Alloy
net tons of 2,000 pounds				
Wholesalers and warehouses	-	4	-	31
Export	861	252	9,154	2,349
Automotive and aircraft industries	600	-	4,335	-
Agricultural (including implement and equipment manufacturers)	104	26	739	243
Construction (including public works, public utilities and structural steel fabricators) ...	86	338	722	3,250
Machinery and tools	1,564	867	13,671	8,122
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.)	528	949	5,537	7,101
Railway operating	2,826	97	25,627	1,913
Railroad cars and locomotives	1,833	220	12,510	1,271
Shipbuilding	10	11	209	80
Miscellaneous (including grinding balls and railway car wheels)	178	254	1,729	2,377
Totals	8,590	3,018	74,233	26,737

(1) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request. Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
	net tons of 2,000 pounds				
<u>1968</u>					
January	617,812	13,709	867,962	14,682	882,644
February	674,574	15,387	857,665	12,112	869,777
March	774,150	14,104	986,974	12,265	999,239
April	739,159	15,121	934,155	11,644	945,799
May	747,595	13,226	978,893	12,638	991,531
June	708,104	11,982	938,233	10,821	949,054
July	734,172	11,853	898,414	7,067	905,481
August	673,508	12,087	884,324	9,255	893,579
September	627,730	14,973	854,343	11,159	865,502
October	713,551	16,061	973,748	12,299	986,047
November	682,489	13,467	989,030	16,698	1,005,728
December	689,757	14,942	944,866	11,749	956,615
Totals	8,382,601	166,912	11,108,607	142,389	11,250,996
<u>1969</u>					
January	708,626	14,822	986,844	11,731	998,575
February	647,814	16,029	899,685	12,554	912,239
March	768,830	17,506	1,022,559	13,398	1,035,957
April	774,949	17,889	1,012,947	14,239	1,027,186
May	728,891	15,862	1,012,875	15,033	1,027,908
June	726,491	18,453	974,740	13,888	988,628
July	732,290	15,152	942,868	10,659	953,527
August	286,697	16,564	385,897	10,628	396,525
September					
October					
November					
December					
Totals					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
net tons of 2,000 pounds				
<u>August</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	25,079	24,152	19,684	24,868
Over 4 1/2" outside diameter (excluding tubing and casing)	39,638	43,839	28,354	29,461
Mechanical and pressure tubing, casing and oil well tubing	15,224	17,169	18,239	18,862
Totals	79,941	85,160	66,277	73,191
<u>Steel pipe fittings</u>				
Buttwelding fittings	160	207	73	106
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	497	629	469	558
Totals	657	836	542	664

(1) Included with "Other".

TABLE 9A. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
net tons of 2,000 pounds				
<u>Eight months ended August</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	177,549	170,415	195,049	194,647
Over 4 1/2" outside diameter (excluding tubing and casing)	458,223	455,948	370,130	385,773
Mechanical and pressure tubing, casing and oil well tubing	140,560	141,436	160,288	163,070
Totals	776,332	767,799	725,467	743,490
<u>Steel pipe fittings</u>				
Buttwelding fittings	1,036	1,249	747	833
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	3,384	4,072	4,633	4,963
Totals	4,420	5,321	5,380	5,796

(1) Included with "Other".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
			net tons of 2,000	pounds	
<u>August 1969</u>					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling					
For forging and piercing					
Rails					
Wire rods					
Structural shapes:					
Heavy					
Bar-sized shapes					
Concrete reinforcing bars					
Other hot rolled bars:					
Flats					
Other					
Tie plates and track material:					
Angle bars					
Tie plates					
Track spikes					
Plates (including plates for pipes and tubes)					
Hot rolled sheets					
Hot rolled strip					
Total hot rolled products ...					
<u>Cold rolled and coated</u>					
Cold finished bars					
Cold reduced sheets and strip, tin mill black plate and tin plate					
Galvanized sheets					
Total cold rolled and coated ..					
Total carbon steel					
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling					
For forging and piercing					
Alloy plates					
Other hot rolled bars including structurals, high speed steel and other alloy tool steel					
Cold finished bars					
Wire rods					
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel					
Total alloy steel					

Note: Data on this table are being withheld pending settlement of strikes in this Industry.

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
			net tons of 2,000	pounds	
<u>Eight months ended August 1969</u>					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling					
For forging and piercing					
Rails					
Wire rods					
Structural shapes:					
Heavy					
Bar-sized shapes					
Concrete reinforcing bars					
Other hot rolled bars:					
Flats					
Other					
Tie plates and track material:					
Angle bars					
Tie plates					
Track spikes					
Plates (including plates for pipes and tubes)					
Hot rolled sheets					
Hot rolled strip					
Total hot rolled products ...					
<u>Cold rolled and coated</u>					
Cold finished bars					
Cold reduced sheets and strip, tin mill black plate and tin plate					
Galvanized sheets					
Total cold rolled and coated ..					
Total carbon steel					
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling					
For forging and piercing					
Alloy plates					
Other hot rolled bars including structurals, high speed steel and other alloy tool steel					
Cold finished bars					
Wire rods					
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel					
Total alloy steel					

Note: Data on this table are being withheld pending settlement of strikes in this Industry

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		August 1969		Eight months ended August 1969	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres				
b	Other warehouses				
6	Automotive and aircraft industries				
7	Agricultural				
8a	Contractors - Building				
b	Construction - Public and utility ..				
c	Structural steel fabricators				
9	Containers				
10	Machinery and tools	<u>Note:</u> Data on this table are being withheld pending settlement of strikes in this Industry.			
11	Wire, wire products and fasteners ..				
12	Natural resources and extractive industries				
13	Appliances and utensils				
14	Other metal stamping and pressing ..				
16	Railway operating				
17	Railroad cars and locomotives				
18	Shipbuilding				
19	Pipes and tubes				
20	Miscellaneous				
	Total domestic shipments				
5a	Export - For conversion and return				
b	Other export (for final sale)				
i	USA				
ii	Other countries				
	Total domestic and export shipments				
	Production, (for sale only)				
	Imports by producers (including conversion)				

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
August 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres							
b	Other warehouses							
6	Automotive and aircraft industries							
7	Agriculture							
8a	Contractors - Building ...							
b	Construction - Public and utility							
c	Structural steel fabri- cators							
9	Containers							
10	Machinery and tools							
11	Wire, wire products and fasteners							
12	Natural resources and extractive industries ..							
13	Appliances and utensils ..							
14	Other metal stamping and pressing							
16	Railway operating							
17	Railroad cars and loco- motives							
18	Shipbuilding							
19	Pipes and tubes							
20	Miscellaneous							
	Total domestic shipments							
5a	Export - For conversion and return							
b	Other export (for final sale)							
i	USA							
ii	Other countries							
	Total domestic and exports shipments ..							
	Production (for sale only)							
	Imports by producers (in- cluding conversion)							

Note: Data on this table are being withheld pending settlement of strikes in this Industry.

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
August 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
								4a
								b
								6
								7
								8a
								b
								c
								9
								10
								11
								12
								13
								14
								16
								17
								18
								19
								20
								5a
								b
								i
								ii

Note: Data on this table are being withheld pending settlement of strikes in this Industry.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Eight months ended August 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres							
b	Other warehouses							
6	Automotive and aircraft industries							
7	Agriculture							
8a	Contractors - Building ...							
b	Construction - Public and utility							
c	Structural steel fabri- cators							
9	Containers							
10	Machinery and tools							
11	Wire, wire products and fasteners							
12	Natural resources and extractive industries ..							
13	Appliances and utensils ..							
14	Other metal stamping and pressing							
16	Railway operating							
17	Railroad cars and loco- motives							
18	Shipbuilding							
19	Pipes and tubes							
20	Miscellaneous							
	Total domestic shipments							
5a	Export - For conversion and return							
b	Other export (for final sale)							
i	USA							
ii	Other countries							
	Total domestic and exports shipments ..							
	Production (for sale only)							
	Imports by producers (in- cluding conversion)							

Note: Data on this table are being withheld pending settlement of strikes in this Industry.

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Eight months ended August 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								4a
								b
								6
								7
								8a
								b
								c
								9
								10
								11
								12
								13
								14
								16
								17
								18
								19
								20
								5a
								b
								i
								ii

Note: Data on this table are being withheld pending settlement of strikes in this Industry.

(2) Includes silicon sheets and strips and stainless steel.

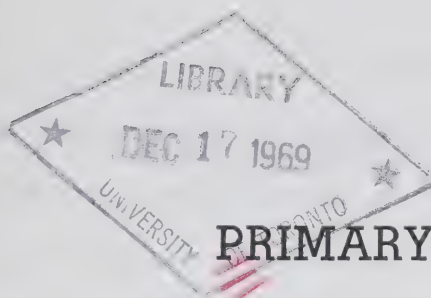
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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

.. figures not available.

... figures not appropriate or not applicable.

- nil or zero.

-- amount too small to be expressed.

P preliminary figures.

r revised figures.

x confidential to meet secrecy requirements
of the Statistics Act.

NOTE

The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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TABLE 1. Pig Iron Capacity, December 31, 1968

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces	15	9,005,000	2	332,000
Electric furnaces	11	575,000	-	-
Totals	26	9,580,000	2	332,000

TABLE 2. Iron Blast Furnaces Charges(1)

	September 1969	Nine months ended September 1969
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines	5,660	233,964
From foreign mines	50,319	428,800
Pyrite cinder	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines	213,121	5,266,538
From foreign mines	99,857	1,443,119
From own processing	-	690,612
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.)	17,745	210,035
Scrap iron and steel	13,026	109,616
Limestone	26,282	523,470
Dolomite	36,735	347,334
Coke	132,514	2,975,828

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>September</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	553,242	6,565	242,080	14,701
Foundry (including silvery pig)(2)	46,573	48,559	53,781	52,747
Malleable	27,915	25,865	-	11,422
Total pig iron	627,730	80,989	295,861	78,870
Ferro-alloys	14,973	14,725	19,750	15,326
Stocks of pig iron on hand at end of month	333,004		189,646	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 3A. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>Nine months ended September</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	5,655,095	107,357	5,013,549	57,238
Foundry (including silvery pig)(2)	419,896	327,914	465,837	420,422
Malleable	221,813	151,266	245,063	144,948
Total pig iron	6,296,804	586,537	5,724,449	622,608
Ferro-alloys	122,442	128,897	152,027	152,135

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Steel Furnace Capacity, December 31, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth	6,970,000
Electric	1,923,650
Basic oxygen furnace	3,800,000
Total ingots	12,693,650
Steel castings	420,725
Total ingots and castings	13,114,375

TABLE 5. Pig Iron and Scrap charged to Steel Furnaces

	September		Nine months ended September	
	1968	1969	1968	1969
	net tons of 2,000 pounds			
Pig iron	582,276	216,754	5,507,152	4,758,031
Scrap - Own make	258,009	103,897	2,426,320	2,242,882
Purchased	149,938	158,423	1,490,013	1,551,495
Total pig iron and scrap	990,223	479,074	9,423,485	8,552,408

TABLE 6. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>September</u>				
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	736,562	15,584	266,346	16,371
Electric	117,781	18,847	136,299	19,970
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	854,343	34,431	402,645	36,341
Continuous cast steel included in above	90,265 ^r	x	84,089	x
Alloy steel ingots included in above	66,115	x	25,075	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	(3)	(3)	-	-
Electric	11,159	10,553	12,527	13,313
Basic oxygen furnace	-	-	-	-
Total steel castings	11,159	10,553	12,527	13,313
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	407	226	637	342
Manganese and abrasion resistant	1,508	1,551	2,166	2,160
All other alloys	522	675	938	1,016
Total alloy castings	2,437	2,452	3,741	3,518

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

TABLE 6A. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
net tons of 2,000 pounds				
<u>Nine months ended September</u>				
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	7,177,474	108,755	6,477,460	148,035
Electric	1,023,489	167,193	1,164,661	198,132
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	8,200,963	275,948	7,642,121	346,167
Continuous cast steel included in above	769,904 ^r	x	902,294	x
Alloy steel ingots included in above	553,054	x	609,646	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	(3)	(3)	-	-
Electric	101,643	97,682	114,657	114,283
Basic oxygen furnace	-	-	-	-
Total steel castings	101,643	97,682	114,657	114,283
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	3,780	2,489	5,760	3,380
Manganese and abrasion resistant	15,728	16,514	17,657	19,023
All other alloys	5,049	5,204	8,077	7,852
Total alloy castings	24,557	24,207	31,494	30,255

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

TABLE 7. Disposition of Shipments(1) of Steel Castings

	September 1969		Nine months ended September 1969	
	Carbon	Alloy	Carbon	Alloy
net tons of 2,000 pounds				
Wholesalers and warehouses	-	9	-	40
Export	1,074	281	10,228	2,630
Automotive and aircraft industries	636	1	4,971	1
Agricultural (including implement and equipment manufacturers)	122	31	861	274
Construction (including public works, public utilities and structural steel fabricators) ...	82	330	804	3,580
Machinery and tools	1,551	1,184	15,222	9,306
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.)	519	873	6,056	7,974
Railway operating	3,545	151	29,172	2,064
Railroad cars and locomotives	2,006	290	14,516	1,561
Shipbuilding	18	4	227	84
Miscellaneous (including grinding balls and railway car wheels)	242	364	1,971	2,741
Totals	9,795	3,518	84,028	30,255

(1) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request. Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
net tons of 2,000 pounds					
1968					
January	617,812	13,709	867,962	14,682	882,644
February	674,574	15,387	857,665	12,112	869,777
March	774,150	14,104	986,974	12,265	999,239
April	739,159	15,121	934,155	11,644	945,799
May	747,595	13,226	978,893	12,638	991,531
June	708,104	11,982	938,233	10,821	949,054
July	734,172	11,853	898,414	7,067	905,481
August	673,508	12,087	884,324	9,255	893,579
September	627,730	14,973	854,343	11,159	865,502
October	713,551	16,061	973,748	12,299	986,047
November	682,489	13,467	989,030	16,698	1,005,728
December	689,757	14,942	944,866	11,749	956,615
Totals	8,382,601	166,912	11,108,607	142,389	11,250,996
1969					
January	708,626	14,822	986,844	11,731	998,575
February	647,814	16,029	899,685	12,554	912,239
March	768,830	17,506	1,022,559	13,398	1,035,957
April	774,949	17,889	1,012,947	14,239	1,027,186
May	782,891	15,862	1,012,875	15,033	1,027,908
June	726,491	18,453	974,740	13,888	988,628
July	732,290	15,152	942,868	10,659	953,527
August	286,697	16,564	385,897	10,628	396,525
September	295,861	19,750	402,645	12,527	415,172
October					
November					
December					
Totals					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>September</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	25,390	24,722	20,790	25,632
Over 4 1/2" outside diameter (excluding tubing and casing)	17,619	15,742	20,989	21,375
Mechanical and pressure tubing, casing and oil well tubing	18,234	18,904	18,292	15,837
Totals	61,243	59,368	60,071	62,844
<u>Steel pipe fittings</u>				
Buttwelding fittings	95	129	80	91
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	556	551	496	578
Totals	651	680	576	669

(1) Included with "Other".

TABLE 9A. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Nine months ended September</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	202,939	195,137	215,839	220,279
Over 4 1/2" outside diameter (excluding tubing and casing)	475,842	471,690	391,119	407,148
Mechanical and pressure tubing, casing and oil well tubing	158,794	160,340	178,580	178,907
Totals	837,575	827,167	785,538	806,334
<u>Steel pipe fittings</u>				
Buttwelding fittings	1,131	1,378	827	924
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	3,940	4,623	5,129	5,541
Totals	5,071	6,001	5,956	6,465

(1) Included with "Other".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
			net tons of 2,000	pounds	
<u>September 1969</u>					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling					
For forging and piercing					
Rails					
Wire rods					
Structural shapes:					
Heavy					
Bar-sized shapes					
Concrete reinforcing bars					
Other hot rolled bars:					
Flats					
Other					
Tie plates and track material:					
Angle bars					
Tie plates					
Track spikes					
Plates (including plates for pipes and tubes)					
Hot rolled sheets					
Hot rolled strip					
Total hot rolled products ...					
<u>Cold rolled and coated</u>					
Cold finished bars					
Cold reduced sheets and strip, tin mill black plate and tin plate					
Galvanized sheets					
Total cold rolled and coated ..					
Total carbon steel					
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling					
For forging and piercing					
Alloy plates					
Other hot rolled bars including structurals, high speed steel and other alloy tool steel					
Cold finished bars					
Wire rods					
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel					
Total alloy steel					

Note: Data on this table are being withheld pending settlement of strikes in this Industry.

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
<u>Nine months ended September 1969</u>			net tons of 2,000 pounds		
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling					
For forging and piercing					
Rails					
Wire rods					
Structural shapes:					
Heavy					
Bar-sized shapes					
Concrete reinforcing bars					
Other hot rolled bars:					
Flats					
Other					
Tie plates and track material:					
Angle bars					
Tie plates					
Track spikes					
Plates (including plates for pipes and tubes)					
Hot rolled sheets					
Hot rolled strip					
Total hot rolled products ...					
<u>Cold rolled and coated</u>					
Cold finished bars					
Cold reduced sheets and strip, tin mill black plate and tin plate					
Galvanized sheets					
Total cold rolled and coated ..					
Total carbon steel					
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling					
For forging and piercing					
Alloy plates					
Other hot rolled bars including structurals, high speed steel and other alloy tool steel					
Cold finished bars					
Wire rods					
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel					
Total alloy steel					

Note: Data on this table are being withheld pending settlement of strikes in this Industry.

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		September 1969		Nine months ended September 1969	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres				
b	Other warehouses				
6	Automotive and aircraft industries				
7	Agricultural				
8a	Contractors - Building				
b	Construction - Public and utility ..				
c	Structural steel fabricators				
9	Containers	Note: Data on this table are being withheld pending settlement of strikes in this industry.			
10	Machinery and tools				
11	Wire, wire products and fasteners ..				
12	Natural resources and extractive industries				
13	Appliances and utensils				
14	Other metal stamping and pressing ..				
16	Railway operating				
17	Railroad cars and locomotives				
18	Shipbuilding				
19	Pipes and tubes				
20	Miscellaneous				
	Total domestic shipments				
5a	Export - For conversion and return				
b	Other export (for final sale)				
i	USA				
ii	Other countries				
	Total domestic and export shipments				
	Production, (for sale only)				
	Imports by producers (including conversion)				

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
September 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
					net tons of 2,000 pounds			
4a	Wholesalers and ware- houses - Steel service centres							
b	Other warehouses							
6	Automotive and aircraft industries							
7	Agriculture							
8a	Contractors - Building ...							
b	Construction - Public and utility							
c	Structural steel fabri- cators							
9	Containers							
10	Machinery and tools							
11	Wire, wire products and fasteners							
12	Natural resources and extractive industries ..							
13	Appliances and utensils ..							
14	Other metal stamping and pressing							
16	Railway operating							
17	Railroad cars and loco- motives							
18	Shipbuilding							
19	Pipes and tubes							
20	Miscellaneous							
	Total domestic shipments							
5a	Export - For conversion and return							
b	Other export (for final sale)							
i	USA							
ii	Other countries							
	Total domestic and exports shipments ..							
	Production (for sale only)							
	Imports by producers (in- cluding conversion)							

Note: Data on this table are being withheld
pending settlement of strikes
in this Industry.

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
September 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								4a b 6 7 8a b c 9 10 11 12 13 14 16 17 18 19 20
<p><u>Note:</u> Data on this table are being withheld pending settlement of strikes in this Industry.</p>								5a b i ii

(2) Includes silicon sheets and strips and stainless steel.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Nine months ended September 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
					net tons of 2,000 pounds			
4a	Wholesalers and ware- houses - Steel service centres							
b	Other warehouses							
6	Automotive and aircraft industries							
7	Agriculture							
8a	Contractors - Building ...							
b	Construction - Public and utility							
c	Structural steel fabri- cators							
9	Containers							
10	Machinery and tools							
11	Wire, wire products and fasteners							
12	Natural resources and extractive industries ..							
13	Appliances and utensils ..							
14	Other metal stamping and pressing							
16	Railway operating							
17	Railroad cars and loco- motives							
18	Shipbuilding							
19	Pipes and tubes							
20	Miscellaneous							
	Total domestic shipments							
5a	Export - For conversion and return							
b	Other export (for final sale)							
i	USA							
ii	Other countries							
	Total domestic and exports shipments ..							
	Production (for sale only)							
	Imports by producers (in- cluding conversion)							

Note: Data on this table are being withheld
pending settlement of strikes
in this industry.

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Nine months ended September 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								4a
								b
								6
								7
								8a
								b
								c
								9
<u>Note:</u> Data on this table are being withheld pending settlement of strikes in this Industry.								10
								11
								12
								13
								14
								16
								17
								18
								19
								20
								5a
								b
								i
								ii

(2) Includes silicon sheets and strips and stainless steel.



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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

.. figures not available.

... figures not appropriate or not applicable.

- nil or zero.

-- amount too small to be expressed.

P preliminary figures.

r revised figures.

x confidential to meet secrecy requirements
of the Statistics Act.

NOTE

The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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TABLE 1. Pig Iron Capacity, December 31, 1968

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces	15	9,005,000	2	332,000
Electric furnaces	11	575,000	-	-
Totals	26	9,580,000	2	332,000

TABLE 2. Iron Blast Furnaces Charges(1)

	October 1969	Ten months ended October 1969
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines	12,980	246,944
From foreign mines	27,723	456,523
Pyrite cinder	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines	358,371	5,624,909
From foreign mines	63,131	1,506,250
From own processing	13,765	704,377
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.)	17,513	227,548
Scrap iron and steel	12,677	122,293
Limestone	26,285	549,755
Dolomite	32,716	380,050
Coke	173,007	3,148,835

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>October</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	657,039	3,757	293,903	4,391
Foundry (including silvery pig) (2)	41,650	80,294	56,334	49,109
Malleable	14,862	29,833	6,980	12,483
Total pig iron	713,551	113,884	357,217	65,983
Ferro-alloys	16,061	15,194	15,033	13,147
Stocks of pig iron on hand at end of month	275,624		281,104	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 3A. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>Ten months ended October</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	6,312,134	111,114	5,307,452	61,629
Foundry (including silvery pig) (2)	461,546	408,208	522,171	469,531
Malleable	236,675	181,099	252,043	157,431
Total pig iron	7,010,355	700,421	6,081,666	688,591
Ferro-alloys	138,503	144,091	167,060	165,282

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Steel Furnace Capacity, December 31, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth	6,970,000
Electric	1,923,650
Basic oxygen furnace	3,800,000
Total ingots	12,693,650
Steel castings	420,725
Total ingots and castings	13,114,375

TABLE 5. Pig Iron and Scrap charged to Steel Furnaces

	October		Ten months ended October	
	1968	1969	1968	1969
	net tons of 2,000 pounds			
Pig iron	645,440	299,434	6,152,592	5,057,465
Scrap - Own make	279,108	142,175	2,705,428	2,385,057
Purchased	187,852	175,592	1,677,865	1,727,087
Total pig iron and scrap	1,112,400	617,201	10,535,885	9,169,609

TABLE 6. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>October</u>				
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth	844,024	15,444	390,367	19,026
Electric	129,724	20,344	139,495	22,304
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	973,748	35,788	529,862	41,330
Continuous cast steel included in above	102,665 ^r	x	87,065	x
Alloy steel ingots included in above	66,351	x	30,695	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	(3)	(3)	-	-
Electric	12,299	12,039	12,750	13,400
Basic oxygen furnace	-	-	-	-
Total steel castings	12,299	12,039	12,750	13,400
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	461	331	653	388
Manganese and abrasion resistant	1,735	2,057	2,116	2,366
All other alloys	586	634	1,048	1,040
Total alloy castings	2,782	3,022	3,817	3,794

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

TABLE 6A. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>Ten months ended October</u>		net tons of 2,000 pounds		
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	8,021,498	124,199	6,875,207 (4)	167,061
Electric	1,153,213	187,537	1,304,156	220,436
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	9,174,711	311,736	8,179,363 (4)	387,497
Continuous cast steel included in above	872,569	x	989,359	x
Alloy steel ingots included in above	619,405	x	640,341	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	(3)	(3)	-	-
Electric	113,942	109,721	127,407	127,683
Basic oxygen furnace	-	-	-	-
Total steel castings	113,942	109,721	127,407	127,683
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	4,241	2,820	6,413	3,768
Manganese and abrasion resistant	17,463	18,571	19,773	21,389
All other alloys	5,635	5,838	9,125	8,892
Total alloy castings	27,339	27,229	35,311	34,049

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

(4) Includes revisions to date.

TABLE 7. Disposition of Shipments(1) of Steel Castings

	October 1969		Ten months ended October 1969	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses	-	6	-	46
Export	899	403	11,127	3,033
Automotive and aircraft industries	752	-	5,723	1
Agricultural (including implement and equipment manufacturers)	141	21	1,002	295
Construction (including public works, public utilities and structural steel fabricators) ...	118	334	922	3,914
Machinery and tools	1,452	456	16,674	9,762
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.)	844	1,568	6,900	9,542
Railway operating	2,842	306	32,014	2,370
Railroad cars and locomotives	2,265	291	16,781	1,852
Shipbuilding	16	13	243	97
Miscellaneous (including grinding balls and railway car wheels)	277	396	2,248	3,137
Totals	9,606	3,794	93,634	34,049

(1) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request. Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
			net tons of 2,000 pounds		
<u>1968</u>					
January	617,812	13,709	867,962	14,682	882,644
February	674,574	15,387	857,665	12,112	869,777
March	774,150	14,104	986,974	12,265	999,239
April	739,159	15,121	934,155	11,644	945,799
May	747,595	13,226	978,893	12,638	991,531
June	708,104	11,982	938,233	10,821	949,054
July	734,172	11,853	898,414	7,067	905,481
August	673,508	12,087	884,324	9,255	893,579
September	627,730	14,973	854,343	11,159	865,502
October	713,551	16,061	973,748	12,299	986,047
November	682,489	13,467	989,030	16,698	1,005,728
December	689,757	14,942	944,866	11,749	956,615
Totals	8,382,601	166,912	11,108,607	142,389	11,250,996
<u>1969</u>					
January	708,626	14,822	986,844	11,731	998,575
February	647,814	16,029	899,685	12,554	912,239
March	768,830	17,506	1,022,559	13,398	1,035,957
April	774,949	17,889	1,012,947	14,239	1,027,186
May	728,891	15,862	1,012,875	15,033	1,027,908
June	726,491	18,453	974,740	13,888	988,628
July	732,290	15,152	942,868	10,659	953,527
August	286,697	16,564	385,897	10,628	396,525
September	295,861	19,750	402,645	12,527	415,172
October	357,217	15,033	529,862	12,750	542,612
November					
December					
Totals					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>October</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	29,665	26,767	23,447	28,370
Over 4 1/2" outside diameter (excluding tubing and casing)	22,517	16,444	26,426	27,251
Mechanical and pressure tubing, casing and oil well tubing	21,875	18,910	12,600	15,887
Totals	74,057	62,121	62,473	71,508
<u>Steel pipe fittings</u>				
Buttwelding fittings	127	184	76	96
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	702	688	471	573
Totals	829	872	547	669

(1) Included with "Other".

TABLE 9A. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Ten months ended October</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	232,604	221,904	239,286	248,649
Over 4 1/2" outside diameter (excluding tubing and casing)	498,359	488,134	417,545	434,399
Mechanical and pressure tubing, casing and oil well tubing	180,669	179,250	191,180	194,794
Totals	911,632	889,288	848,011	877,842
<u>Steel pipe fittings</u>				
Buttwelding fittings	1,258	1,562	903	1,020
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	4,642	5,311	5,600	6,114
Totals	5,900	6,873	6,503	7,134

(1) Included with "Other".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
			net tons of 2,000	pounds	
<u>October 1969</u>					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling					
For forging and piercing					
Rails					
Wire rods					
Structural shapes:					
Heavy					
Bar-sized shapes					
Concrete reinforcing bars					
Other hot rolled bars:					
Flats					
Other					
Tie plates and track material:					
Angle bars					
Tie plates					
Track spikes					
Plates (including plates for pipes and tubes)					
Hot rolled sheets					
Hot rolled strip					
Total hot rolled products ...					
<u>Cold rolled and coated</u>					
Cold finished bars					
Cold reduced sheets and strip, tin mill black plate and tin plate					
Galvanized sheets					
Total cold rolled and coated ..					
Total carbon steel					
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling					
For forging and piercing					
Alloy plates					
Other hot rolled bars including structurals, high speed steel and other alloy tool steel					
Cold finished bars					
Wire rods					
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel					
Total alloy steel					

Note: Data on this table are being withheld pending settlement of strikes in this Industry.

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
			net tons of 2,000	pounds	
<u>Ten months ended October 1969</u>					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling					
For forging and piercing					
Rails					
Wire rods					
Structural shapes:					
Heavy					
Bar-sized shapes					
Concrete reinforcing bars					
Other hot rolled bars:					
Flats					
Other					
Tie plates and track material:					
Angle bars					
Tie plates					
Track spikes					
Plates (including plates for pipes and tubes)					
Hot rolled sheets					
Hot rolled strip					
<hr/>					
Total hot rolled products ...					
<hr/>					
<u>Cold rolled and coated</u>					
Cold finished bars					
Cold reduced sheets and strip, tin mill black plate and tin plate					
Galvanized sheets					
<hr/>					
Total cold rolled and coated ..					
<hr/>					
Total carbon steel					
<hr/>					
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling					
For forging and piercing					
Alloy plates					
Other hot rolled bars including structurals, high speed steel and other alloy tool steel					
Cold finished bars					
Wire rods					
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel					
<hr/>					
Total alloy steel					

Note: Data on this table are being withheld pending settlement of strikes in this Industry.

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		October 1969		Ten months ended October 1969	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres				
b	Other warehouses				
6	Automotive and aircraft industries				
7	Agricultural				
8a	Contractors - Building				
b	Construction - Public and utility ..				
c	Structural steel fabricators				
9	Containers				
10	Machinery and tools				
11	Wire, wire products and fasteners ..				
12	Natural resources and extractive industries				
13	Appliances and utensils				
14	Other metal stamping and pressing ..				
16	Railway operating				
17	Railroad cars and locomotives				
18	Shipbuilding				
19	Pipes and tubes				
20	Miscellaneous				
	Total domestic shipments				
5a	Export - For conversion and return				
b	Other export (for final sale)				
i	USA				
ii	Other countries				
	Total domestic and export shipments				
	Production, (for sale only)				
	Imports by producers (including conversion)				

Note: Data on this table are being withheld
pending settlement of strikes
in this Industry.

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
October 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
					net tons of 2,000 pounds			
4a	Wholesalers and ware- houses - Steel service centres							
b	Other warehouses							
6	Automotive and aircraft industries							
7	Agriculture							
8a	Contractors - Building ...							
b	Construction - Public and utility							
c	Structural steel fabri- cators							
9	Containers							
10	Machinery and tools							
11	Wire, wire products and fasteners							
12	Natural resources and extractive industries ..							
13	Appliances and utensils ..							
14	Other metal stamping and pressing							
16	Railway operating							
17	Railroad cars and loco- motives							
18	Shipbuilding							
19	Pipes and tubes							
20	Miscellaneous							
	Total domestic shipments							
5a	Export - For conversion and return							
b	Other export (for final sale)							
i	USA							
ii	Other countries							
	Total domestic and exports shipments ..							
	Production (for sale only)							
	Imports by producers (in- cluding conversion)							

Note: Data on this table are being withheld
pending settlement of strikes
in this Industry.

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
October 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
<p><u>Note:</u> Data on this table are being withheld pending settlement of strikes in this Industry.</p>								4a
								b
								6
								7
								8a
								b
								c
								9
								10
								11
								12
								13
								14
								16
								17
								18
								19
								20
								5a
								b
								i
								ii

(2) Includes silicon sheets and strips and stainless steel.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Ten months ended October 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres							
b	Other warehouses							
6	Automotive and aircraft industries							
7	Agriculture							
8a	Contractors - Building ...							
b	Construction - Public and utility							
c	Structural steel fabri- cators							
9	Containers							
10	Machinery and tools							
11	Wire, wire products and fasteners							
12	Natural resources and extractive industries ..							
13	Appliances and utensils ..							
14	Other metal stamping and pressing							
16	Railway operating							
17	Railroad cars and loco- motives							
18	Shipbuilding							
19	Pipes and tubes							
20	Miscellaneous							
	Total domestic shipments							
5a	Export - For conversion and return							
b	Other export (for final sale)							
i	USA							
ii	Other countries							
	Total domestic and exports shipments ..							
	Production (for sale only)							
	Imports by producers (in- cluding conversion)							

Note: Data on this table are being withheld pending settlement of struck in this Industry.

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Ten months ended October 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								4a
								b
								6
								7
								8a
								b
								c
								9
								10
								11
								12
								13
								14
								16
								17
								18
								19
								20
								5a
								b
								i
								ii

Note: Data on this table are being withheld
pending settlement of strikes
in this Industry.

(2) Includes silicon sheets and strips and stainless steel.

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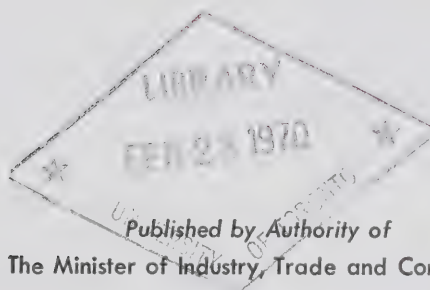
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PRIMARY IRON AND STEEL

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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- P preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

NOTE

The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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TABLE 1. Pig Iron Capacity, December 31, 1968

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces	15	9,005,000	2	332,000
Electric furnaces	11	575,000	-	-
Totals	26	9,580,000	2	332,000

TABLE 2. Iron Blast Furnaces Charges(1)

	November 1969	Eleven months ended November 1969
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines	16,495	263,439
From foreign mines	30,032	486,555
Pyrite cinder	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines	744,820	6,369,729
From foreign mines	57,742	1,563,992
From own processing	86,773	791,150
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.)	19,706	247,254
Scrap iron and steel	14,568	136,861
Limestone	52,762	602,517
Dolomite	31,019	411,069
Coke	331,659	3,480,494

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>November</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	627,695	3,630	589,099	4,282
Foundry (including silvery pig)(2)	48,767	115,651	51,907	45,195
Malleable	6,027	21,162	4,930	16,634
Total pig iron	682,489	140,443	645,936	66,111
Ferro-alloys	13,467	16,358	16,674	17,673
Stocks of pig iron on hand at end of month	196,080		272,607	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 3A. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>Eleven months ended November</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	6,939,829	114,744	5,896,551	65,911
Foundry (including silvery pig)(2)	510,313	523,859	574,078	514,726
Malleable	242,702	202,261	256,973	174,065
Total pig iron	7,692,844	840,864	6,727,602	754,702
Ferro-alloys	151,970	160,449	183,734	182,955

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Steel Furnace Capacity, December 31, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth	6,970,000
Electric	1,923,650
Basic oxygen furnace	3,800,000
Total ingots	12,693,650
Steel castings	420,725
Total ingots and castings	13,114,375

TABLE 5. Pig Iron and Scrap charged to Steel Furnaces

	November		Eleven months ended November	
	1968	1969	1968	1969
	net tons of 2,000 pounds			
Pig iron	622,258	581,721	6,774,850	5,639,186
Scrap - Own make	285,343	276,971	2,990,771	2,662,028
Purchased	226,445	228,645	1,904,310	1,955,732
Total pig iron and scrap	1,134,046	1,087,337	11,669,931	10,256,946

TABLE 6. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>November</u>				
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	854,280	19,487	806,592	16,937
Electric	134,750	21,493	141,644	27,372
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	989,030	40,980	948,236	44,309
Continuous cast steel included in above	103,244 ^r	x	109,685	x
Alloy steel ingots included in above	79,279	x	71,996	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	(3)	(3)	(3)	(3)
Electric	16,698	18,535	12,684	13,132
Basic oxygen furnace	-	-	-	-
Total steel castings	16,698	18,535	12,684	13,132
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	483	325	568	327
Manganese and abrasion resistant	1,972	1,984	1,990	2,334
All other alloys	559	610	816	963
Total alloy castings	3,014	2,919	3,374	3,624

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

TABLE 6A. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>Eleven months ended November 1969</u>		net tons of 2,000 pounds		
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	8,875,778	143,686	7,681,799	183,998
Electric	1,287,963	209,030	1,445,800	247,808
Basic oxygen furnace	(3)	(3)	(3)	(3)
Total steel ingots	10,163,741	352,716	9,127,599	431,806
Continuous cast steel included in above	975,813 ^r	x	1,099,044	x
Alloy steel ingots included in above	698,684	x	712,337	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	(3)	(3)	(3)	(3)
Electric	130,640	128,256	140,091	140,815
Basic oxygen furnace	-	-	-	-
Total steel castings	130,640	128,256	140,091	140,815
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	4,724	3,145	6,981	4,095
Manganese and abrasion resistant	19,435	20,555	21,763	23,723
All other alloys	6,194	6,448	9,941	9,855
Total alloy castings	30,353	30,148	38,685	37,673

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

TABLE 7. Disposition of Shipments(1) of Steel Castings

	November 1969		Eleven months ended November 1969	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses	-	6	-	52
Export	453	331	11,580	3,364
Automotive and aircraft industries	674	-	6,397	1
Agricultural (including implement and equipment manufacturers)	107	20	1,109	315
Construction (including public works, public utilities and structural steel fabricators) ...	73	243	995	4,157
Machinery and tools	1,650	384	18,324	10,146
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.)	948	1,777	7,848	11,319
Railway operating	3,205	264	35,219	2,634
Railroad cars and locomotives	2,133	209	18,914	2,061
Shipbuilding	15	9	258	106
Miscellaneous (including grinding balls and railway car wheels)	250	381	2,498	3,518
Totals	9,508	3,624	103,142	37,673

(1) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request. Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
	net tons of 2,000 pounds				
<u>1968</u>					
January	617,812	13,709	867,962	14,682	882,644
February	674,574	15,387	857,665	12,112	869,777
March	774,150	14,104	986,974	12,265	999,239
April	739,159	15,121	934,155	11,644	945,799
May	747,595	13,226	978,893	12,638	991,531
June	708,104	11,982	938,233	10,821	949,054
July	734,172	11,853	898,414	7,067	905,481
August	673,508	12,087	884,324	9,255	893,579
September	627,730	14,973	854,343	11,159	865,502
October	713,551	16,061	973,748	12,299	986,047
November	682,489	13,467	989,030	16,698	1,005,728
December	689,757	14,942	944,866	11,749	956,615
Totals	8,382,601	166,912	11,108,607	142,389	11,250,996
<u>1969</u>					
January	708,626	14,822	986,844	11,731	998,575
February	647,814	16,029	899,685	12,554	912,239
March	768,830	17,506	1,022,559	13,398	1,035,957
April	774,949	17,889	1,012,947	14,239	1,027,186
May	782,891	15,862	1,013,833	15,033	1,028,866
June	726,491	18,453	974,843	13,888	988,731
July	732,290	15,152	942,868	10,659	953,527
August	286,697	16,564	387,527	10,628	398,155
September	295,861	19,750	408,395	12,527	420,922
October	357,217	15,033	529,862	12,750	542,612
November	645,936	16,674	948,236	12,684	960,920
December					
Totals					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
net tons of 2,000 pounds				
<u>November</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	31,824	27,282	20,708	22,544
Over 4 1/2" outside diameter (excluding tubing and casing)	22,979	12,873	24,689	22,633
Mechanical and pressure tubing, casing and oil well tubing	23,394	18,652	9,906	14,437
Totals	78,197	58,807	55,303	59,614
<u>Steel pipe fittings</u>				
Buttwelding fittings	177	202	124	202
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	802	809	619	675
Totals	979	1,011	743	877

(1) Included with "Other".

TABLE 9A. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
net tons of 2,000 pounds				
<u>Eleven months ended November</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	264,428	249,186	259,994	271,193
Over 4 1/2" outside diameter (excluding tubing and casing)	521,338	501,007	436,327(2)	450,280(2)
Mechanical and pressure tubing, casing and oil well tubing	204,063	197,902	201,086	209,231
Totals	989,829	948,095	897,407(2)	930,704(2)
<u>Steel pipe fittings</u>				
Buttwelding fittings	1,435	1,764	1,027	1,222
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	5,444	6,120	6,219	6,789
Totals	6,879	7,884	7,246	8,011

(1) Included with "Other".

(2) Includes a revision for October 1969.

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
			net tons of 2,000	pounds	
<u>November 1969</u>					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling					
For forging and piercing					
Rails					
Wire rods					
Structural shapes:					
Heavy					
Bar-sized shapes					
Concrete reinforcing bars					
Other hot rolled bars:					
Flats					
Other					
Tie plates and track material:					
Angle bars					
Tie plates					
Track spikes					
Plates (including plates for pipes and tubes)					
Hot rolled sheets					
Hot rolled strip					
Total hot rolled products ...					
<u>Cold rolled and coated</u>					
Cold finished bars					
Cold reduced sheets and strip, tin mill black plate and tin plate					
Galvanized sheets					
Total cold rolled and coated ..					
Total carbon steel					
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling					
For forging and piercing					
Alloy plates					
Other hot rolled bars including structurals, high speed steel and other alloy tool steel					
Cold finished bars					
Wire rods					
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel					
Total alloy steel					

Note: Figures not available due to strike conditions in the Steel Industry. Eleven months' cumulative figures only are released in this issue.

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
			net tons of 2,000 pounds		
<u>Eleven months ended November 1969(2)</u>					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	510,426	225,408	561,967	491,018	70,949
For forging and piercing	199,202	-	205,712	...	205,712
Rails	265,922	-	269,291	...	269,291
Wire rods	409,078	-	416,291	...	416,291
Structural shapes:					
Heavy	403,628	-	421,156	...	421,156
Bar-sized shapes	133,168	-	129,680	...	129,680
Concrete reinforcing bars	630,042	2,648	654,546	...	654,546
Other hot rolled bars:					
Flats	60,207	-	102,549	) 18,622	489,510
Other	440,915	-	405,583		
Tie plates and track material:					
Angle bars	6,706	-	6,518	...	6,518
Tie plates	58,869	-	58,900	...	58,900
Track spikes	10,552	-	10,345	...	10,345
Plates (including plates for pipes and tubes)	851,973	-	849,580	...	849,580
Hot rolled sheets	1,046,381	7,894	1,069,465	40,756	1,028,709
Hot rolled strip	240,174	-	278,449	175	278,274
Total hot rolled products ...	5,267,243	235,950	5,440,032	550,571	4,889,461
<u>Cold rolled and coated</u>					
Cold finished bars	69,701	-	70,000	...	70,000
Cold reduced sheets and strip, tin mill black plate and tin plate	1,396,881	-	1,429,769	36,568	1,393,201
Galvanized sheets	562,120	-	561,450	...	561,450
Total cold rolled and coated ..	2,028,702	-	2,061,219	36,568	2,024,651
Total carbon steel	7,295,945	235,950	7,501,251	587,139	6,914,112
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	61,150	-	61,150	...	61,150
Alloy plates	13,612	-	13,612	...	13,612
Other hot rolled bars including structurals, high speed steel and other alloy tool steel	189,283	-	189,356	333	189,023
Cold finished bars	6,497	-	6,294	...	6,294
Wire rods	3,937	-	3,937	...	3,937
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel	75,150	30,478	111,026	...	111,026
Total alloy steel	349,629	30,478	385,375	333	385,042

- (1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.
- (2) Figures for August, September and October which were not available due to the strike in the Steel Industry, have been included in the accumulated figures in this issue. Monthly figures will be released commencing with the December issue.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		November 1969		Eleven months ended November 1969(2)	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres			893,445	30,679
b	Other warehouses			125,147	214
6	Automotive and aircraft industries			678,528	104,239
7	Agricultural			140,524	4,078
8a	Contractors - Building			479,126	100
b	Construction - Public and utility ..			37,230	10
c	Structural steel fabricators			828,152	7,574
9	Containers	<u>Note:</u> Figures not available due to strike condi- tions in the Steel Industry. Eleven months' cumulative figures only are re- leased in this issue.		471,574	265
10	Machinery and tools			226,442	35,337
11	Wire, wire products and fasteners ..			456,293	28,125
12	Natural resources and extractive industries			131,925	22,824
13	Appliances and utensils			162,906	2,234
14	Other metal stamping and pressing ..			386,276	10,940
16	Railway operating			297,566	5
17	Railroad cars and locomotives			81,471	946
18	Shipbuilding			41,950	2,328
19	Pipes and tubes			803,456	45,523
20	Miscellaneous			77,755	823
	Total domestic shipments			6,319,766	296,244
5a	Export - For conversion and return			37,148	30,501
b	<u>Other export (for final sale)</u>				
i	USA			414,673	39,021
ii	Other countries			142,525	19,276
	Total domestic and export shipments			6,914,112	385,042
	Production, (for sale only)			7,295,945	349,629
	Imports by producers (including conversion)			235,950	30,478

- (1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.
- (2) Figures for August, September and October which were not available due to the strike in the Steel Industry, have been included in the accumulated figures in this issue. Monthly figures will be released commencing with the December issue.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
November 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
					net tons of 2,000 pounds			
4a	Wholesalers and ware- houses - Steel service centres							
b	Other warehouses							
6	Automotive and aircraft industries							
7	Agriculture							
8a	Contractors - Building ...							
b	Construction - Public and utility							
c	Structural steel fabri- cators							
9	Containers							
10	Machinery and tools							
11	Wire, wire products and fasteners							
12	Natural resources and extractive industries ..							
13	Appliances and utensils ..							
14	Other metal stamping and pressing							
16	Railway operating							
17	Railroad cars and loco- motives							
18	Shipbuilding							
19	Pipes and tubes							
20	Miscellaneous							
	Total domestic shipments							
5a	Export - For conversion and return							
b	Other export (for final sale)							
i	USA							
ii	Other countries							
	Total domestic and exports shipments ..							
	Production (for sale only)							
	Imports by producers (in- cluding conversion)							

Note: Figures not available due to strike conditions in the Steel Industry. Eleven months' cumulative figures only are released in this issue.

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
November 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
								4a
								b
								6
								7
								8a
								b
								c
								9
								10
								11
								12
								13
								14
								16
								17
								18
								19
								20
								5a
								b
								i
								ii

(2) Includes silicon sheets and strips and stainless steel.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Eleven months ended November 1969(3)

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres	201	2,445	422	83,231	35,329	161,014	91,791
b	Other warehouses	44	1,607	26	16,333	7,058	20,954	5,474
6	Automotive and aircraft industries	28,172	-	347	1,428	219	85	149,319
7	Agriculture	315	-	39	4,526	6,079	-	35,121
8a	Contractors - Building ...	-	212	1,292	5,668	695	90,516	3,831
b	Construction - Public and utility	-	6	-	5,170	115	18,485	2,336
c	Structural steel fabri- cators	1,144	538	4,859	247,497	56,426	201,148	86,361
9	Containers	-	-	56	-	-	-	26
10	Machinery and tools	194	187	11,617	7,273	2,386	410	31,525
11	Wire, wire products and fasteners	7,901	-	359,246	299	2,038	365	68,982
12	Natural resources and extractive industries ..	4,412	6,140	-	5,328	592	8,273	89,756
13	Appliances and utensils ..	-	20	-	1,043	510	354	943
14	Other metal stamping and pressing	3,525	764	1,256	2,811	5,789	132,185	25,635
16	Railway operating	101	214,504	-	1,696	724	-	4,454
17	Railroad cars and loco- motives	24,586	77	-	8,986	373	6	3,890
18	Shipbuilding	-	8	-	5,121	155	-	1,287
19	Pipes and tubes	125,422	-	880	-	-	151	119
20	Miscellaneous	54,544	21	4,038	191	271	5,151	4,226
Total domestic shipments		250,561	226,529	384,078	396,601	118,759	639,097	605,076
5a	Export - For conversion and return	37,148	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	44,278	17,382	26,342	24,541	10,921	7,490	66,322
ii	Other countries	5,824	25,380	9,808	14	-	7,959	7,135
Total domestic and exports shipments ..		337,811	269,291	420,228	421,156	129,680	654,546	678,533
Production (for sale only)		770,778	265,922	413,015	403,628	133,168	630,042	690,405
Imports by producers (in- cluding conversion)		225,408	-	-	-	-	2,648	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Eleven months ended November 1969(3)

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
570	130,123	135,930	2,478	28,227	155,319	97,044	924,124	4a
80	22,587	29,931	6,339	-	14,928	-	125,361	b
-	7,734	366,787	27,472	17,953	165,250	18,001	782,767	6
-	13,288	45,193	2,435	11,129	22,797	3,680	144,602	7
56	12,677	41,811	3,169	326	46,965	272,008	479,226	8a
70	1,599	6,160	-	-	2,722	577	37,240	b
25	155,815	33,057	7,369	639	7,686	33,162	835,726	c
-	204	5,308	1,290	32	463,642	1,281	471,839	9
-	48,291	43,119	8,838	8,987	89,426	9,526	261,779	10
3,521	4,124	14,749	349	2,121	18,298	2,425	484,418	11
671	15,091	7,997	78	122	7,215	9,074	154,749	12
-	2,500	21,449	1,288	2,090	112,931	22,012	165,140	13
29	21,999	44,824	6,141	2,723	129,443	20,092	397,216	14
68,390	5,631	1,636	-	51	140	244	297,571	16
1	31,210	11,968	-	7	91	1,222	82,417	17
-	35,531	1,602	256	44	37	237	44,278	18
-	311,479	138,904	207,307	233	58,689	5,795	848,979	19
9	(- 2)	244	95	352	8,412	1,026	78,578	20
73,422	819,881	950,669	274,904	75,036	1,303,991	497,406	6,616,010	
-	-	-	-	-	30,501	-	67,649	5a
662	43,311	69,662	3,370	1,068	88,633	49,712	453,694	i
1,679	-	8,378	-	190	81,102	14,332	161,801	ii
75,763	863,192	1,028,709	278,274	76,294	1,504,227	561,450	7,299,154	
76,127	865,585	1,046,381	240,174	76,198	1,472,031	562,120	7,645,574	
-	-	7,894	-	-	30,478	-	266,428	

(2) Includes silicon sheets and strips and stainless steel.

(3) Figures for August, September and October which were not available due to the strike in the Steel Industry, have been included in the accumulated figures in this issue. Monthly figures will be released commencing with the December issue.

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The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- P preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

NOTE

The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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TABLE 1. Pig Iron Capacity, December 31, 1968

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces	15	9,005,000	2	332,000
Electric furnaces	11	575,000	-	-
Totals	26	9,580,000	2	332,000

TABLE 2. Iron Blast Furnaces Charges(1)

	December 1969	Twelve months ended December 1969
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines	38,665	302,104
From foreign mines	16,603	503,158
Pyrite cinder	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines	846,450	7,216,179
From foreign mines	52,600	1,616,592
From own processing	97,081	888,231
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.)	21,783	269,037
Scrap iron and steel	15,854	152,715
Limestone	68,304	670,821
Dolomite	31,673	442,742
Coke	378,223	3,858,717

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>December</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	622,107	3,586	660,413	4,421
Foundry (including silvery pig)(2)	50,186	52,183	54,611	107,571
Malleable	17,464	14,498	18,593	19,171
Total pig iron	689,757	70,267	733,617	131,163
Ferro-alloys	14,942	14,051	20,570	22,276
Stocks of pig iron on hand at end of month	197,756		214,653	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 3A. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>Twelve months ended December</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	7,561,936	118,330	6,556,964	70,332
Foundry (including silvery pig)(2)	560,499	576,042	628,689	622,297
Malleable	260,166	216,759	275,566	193,236
Total pig iron	8,382,601	911,131	7,461,219	885,865
Ferro-alloys	166,912	174,500	204,304	205,231

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Steel Furnace Capacity, December 31, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth	6,970,000
Electric	1,923,650
Basic oxygen furnace	3,800,000
Total ingots	12,693,650
Steel castings	420,725
Total ingots and castings	13,114,375

TABLE 5. Pig Iron and Scrap charged to Steel Furnaces

	December		Twelve months ended December	
	1968	1969	1968	1969
	net tons of 2,000 pounds			
Pig iron	605,055	657,118	7,379,905	6,296,304
Scrap - Own make	283,351	291,025	3,274,122	2,953,053
Purchased	193,769	225,977	2,098,079	2,181,709
Total pig iron and scrap	1,082,175	1,174,120	12,752,106	11,431,066

TABLE 6. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>December</u>				
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	822,710	19,084	885,567	12,837
Electric	122,156	21,539	138,680	27,734
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	944,866	40,623	1,024,247	40,571
Continuous cast steel included in above	92,469r	x	113,769	x
Alloy steel ingots included in above	72,385	x	83,160	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	-	-	-	-
Electric	11,749	9,931	14,615	13,144
Basic oxygen furnace	-	-	-	-
Total steel castings	11,749	9,931	14,615	13,144
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	473	282	690	483
Manganese and abrasion resistant	2,135	2,253	2,134	2,269
All other alloys	629	643	891	991
Total alloy castings	3,237	3,178	3,715	3,743

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

TABLE 6A. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>Twelve months ended December</u>	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	9,698,488	162,770	8,567,366	196,835
Electric	1,410,119	230,569	1,584,480	275,542
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	11,108,607	393,339	10,151,846	472,377
Continuous cast steel included in above	1,068,282r	x	1,212,813	x
Alloy steel ingots included in above	771,069	x	795,497	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	(3)	(3)	-	-
Electric	142,389	138,187	154,706	153,959
Basic oxygen furnace	-	-	-	-
Total steel castings	142,389	138,187	154,706	153,959
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	5,197	3,427	7,671	4,578
Manganese and abrasion resistant	21,570	22,808	23,897	25,992
All other alloys	6,823	7,091	10,832	10,846
Total alloy castings	33,590	33,326	42,400	41,416

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

TABLE 7. Disposition of Shipments(1) of Steel Castings

	December 1969		Twelve months ended December 1969	
	Carbon	Alloy	Carbon	Alloy
net tons of 2,000 pounds				
Wholesalers and warehouses	-	6	-	58
Export	798	323	12,378	3,687
Automotive and aircraft industries	541	-	6,938	1
Agricultural (including implement and equipment manufacturers)	77	20	1,186	335
Construction (including public works, public utilities and structural steel fabricators) ...	69	311	1,064	4,468
Machinery and tools	1,765	491	20,089	10,637
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.)	1,055	1,746	8,903	13,065
Railway operating	2,269	214	37,488	2,848
Railroad cars and locomotives	2,554	228	21,468	2,289
Shipbuilding	38	7	296	113
Miscellaneous (including grinding balls and railway car wheels)	235	397	2,733	3,915
Totals	9,401	3,743	112,543	41,416

(1) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request. Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
net tons of 2,000 pounds					
<u>1968</u>					
January	617,812	13,709	867,962	14,682	882,644
February	674,574	15,387	857,665	12,112	869,777
March	774,150	14,104	986,974	12,265	999,239
April	739,159	15,121	934,155	11,644	945,799
May	747,595	13,226	978,893	12,638	991,531
June	708,104	11,982	938,233	10,821	949,054
July	734,172	11,853	898,414	7,067	905,481
August	673,508	12,087	884,324	9,255	893,579
September	627,730	14,973	854,343	11,159	865,502
October	713,551	16,061	973,748	12,299	986,047
November	682,489	13,467	989,030	16,698	1,005,728
December	689,757	14,942	944,866	11,749	956,615
Totals	8,382,601	166,912	11,108,607	142,389	11,250,996
<u>1969</u>					
January	708,626	14,822	986,844	11,731	998,575
February	647,814	16,029	899,685	12,554	912,239
March	768,830	17,506	1,022,559	13,398	1,035,957
April	774,949	17,889	1,012,947	14,239	1,027,186
May	782,891	15,862	1,013,833	15,033	1,028,866
June	726,491	18,453	974,843	13,888	988,731
July	732,290	15,152	942,868	10,659	953,527
August	286,697	16,564	387,527	10,628	398,155
September	295,861	19,750	408,395	12,527	420,922
October	357,217	15,033	529,862	12,750	542,612
November	645,936	16,674	948,236	12,684	960,920
December	733,617	20,570	1,024,247	14,615	1,038,862
Totals	7,461,219	204,304	10,151,846	154,706	10,306,552

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
net tons of 2,000 pounds				
<u>December</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	21,035	18,550	22,153	21,379
Over 4 1/2" outside diameter (excluding tubing and casing)	35,779	27,877	33,580	35,145
Mechanical and pressure tubing, casing and oil well tubing	19,131	17,923	17,539	20,881
Totals	75,945	64,350	73,272	77,405
<u>Steel pipe fittings</u>				
Buttwelding fittings	77	78	75	101
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	488	516	500	590
Totals	565	594	575	691

(1) Included with "Other".

TABLE 9A. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
net tons of 2,000 pounds				
<u>Twelve months ended December</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	285,463	267,736	282,147	292,572
Over 4 1/2" outside diameter (excluding tubing and casing)	557,117	528,884	469,907	485,425
Mechanical and pressure tubing, casing and oil well tubing	223,194	215,825	218,625	230,112
Totals	1,065,774	1,012,445	970,679	1,008,109
<u>Steel pipe fittings</u>				
Buttwelding fittings	1,512	1,842	1,102	1,323
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	5,932	6,636	6,719	7,379
Totals	7,444	8,478	7,821	8,702

(1) Included with "Other".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
December 1969	net tons of 2,000 pounds				
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	45,243	27,547	46,385	37,315	9,070
For forging and piercing	23,745	-	25,487	...	25,487
Rails	37,552	-	38,975	...	38,975
Wire rods	42,424	-	43,082	...	43,082
Structural shapes:					
Heavy	51,701	-	43,485	...	43,485
Bar-sized shapes	9,770	-	10,244	...	10,244
Concrete reinforcing bars	50,018	-	45,364	...	45,364
Other hot rolled bars:					
Flats	9,217	-	9,928	) 1,701	49,952
Other	44,965	-	41,725		
Tie plates and track material:					
Angle bars	-	-	37	...	37
Tie plates	7,036	-	8,550	...	8,550
Track spikes	255	-	205	...	205
Plates (including plates for pipes and tubes)	104,245	-	101,962	...	101,962
Hot rolled sheets	107,238	6,671	91,582	2,164	89,418
Hot rolled strip	27,853	-	26,962	...	26,962
Total hot rolled products ...	561,262	34,218	533,973	41,180	492,793
<u>Cold rolled and coated</u>					
Cold finished bars	5,465	-	4,990	...	4,990
Cold reduced sheets and strip, tin mill black plate and tin plate	127,579	-	108,573	2,434	106,139
Galvanized sheets	50,226	-	44,411	...	44,411
Total cold rolled and coated ..	183,270	-	157,974	2,434	155,540
Total carbon steel	744,532	34,218	691,947	43,614	648,333
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	6,932	-	6,932	...	6,932
Alloy plates	2,650	-	2,640	...	2,640
Other hot rolled bars including structurals, high speed steel and other alloy tool steel	16,117	-	16,081	30	16,051
Cold finished bars	571	-	547	...	547
Wire rods	1,435	-	1,435	...	1,435
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel	6,490	2,471	9,767	...	9,767
Total alloy steel	34,195	2,471	37,402	30	37,372

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
Twelve months ended December 1969			net tons of 2,000 pounds		
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	555,669	252,955	608,352	528,333	80,019
For forging and piercing	222,947	-	231,199	...	231,199
Rails	303,474	-	308,266	...	308,266
Wire rods	451,502	-	459,373	...	459,373
Structural shapes:					
Heavy	455,329	-	464,641	...	464,641
Bar-sized shapes	142,938	-	139,906(2)	...	139,906(2)
Concrete reinforcing bars	680,060	2,648	699,910	...	699,910
Other hot rolled bars:					
Flats	69,424	-	112,477	) 20,323	539,462
Other	485,880	-	447,308		
Tie plates and track material:					
Angle bars	6,706	-	6,555	...	6,555
Tie plates	65,905	-	67,450	...	67,450
Track spikes	10,807	-	10,550	...	10,550
Plates (including plates for pipes and tubes)	956,218	-	951,542	...	951,542
Hot rolled sheets	1,153,619	14,565	1,161,047	42,920	1,118,127
Hot rolled strip	268,027	-	305,411	175	305,236
Total hot rolled products ...	5,828,505	270,168	5,973,987(2)	591,751	5,382,236(2)
<u>Cold rolled and coated</u>					
Cold finished bars	75,166	-	74,990	...	74,990
Cold reduced sheets and strip, tin mill black plate and tin plate	1,524,460	-	1,538,342	39,002	1,499,340
Galvanized sheets	612,346	-	605,861	...	605,861
Total cold rolled and coated ..	2,211,972	-	2,219,193	39,002	2,180,191
Total carbon steel	8,040,477	270,168	8,193,180(2)	630,753	7,562,427(2)
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	68,082	-	68,082	...	68,082
Alloy plates	16,262	-	16,252	...	16,252
Other hot rolled bars including structurals, high speed steel and other alloy tool steel	205,400	-	205,437	363	205,074
Cold finished bars	7,068	-	6,841	...	6,841
Wire rods	5,372	-	5,372	...	5,372
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel	81,640	32,949	120,793	...	120,793
Total alloy steel	383,824	32,949	422,777	363	422,414

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

(2) Includes a revision for November 1969.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		December 1969		Twelve months ended December 1969	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres	84,307	3,095	977,752	33,774
b	Other warehouses	10,036	-	135,183	214
6	Automotive and aircraft industries	56,398	8,504	734,926	112,743
7	Agricultural	10,230	273	150,754	4,351
8a	Contractors - Building	38,291	-	517,399 (2)	100
b	Construction - Public and utility ..	1,639	-	38,869	10
c	Structural steel fabricators	71,211	697	899,363	8,271
9	Containers	26,095	45	497,669	310
10	Machinery and tools	23,120	2,690	249,562	38,027
11	Wire, wire products and fasteners ..	49,686	2,155	505,979	30,280
12	Natural resources and extractive industries	4,816	4,345	136,741	27,169
13	Appliances and utensils	12,557	143	175,463	2,377
14	Other metal stamping and pressing ..	27,555	601	413,831	11,541
16	Railway operating	28,420	-	325,986	5
17	Railroad cars and locomotives	12,013	851	93,484	1,797
18	Shipbuilding	5,551	87	47,501	2,415
19	Pipes and tubes	93,067	5,070	896,523	50,593
20	Miscellaneous	8,196	100	85,951	923
	Total domestic shipments	563,188	28,656	6,882,936 (2)	324,900
5a	Export - For conversion and return	-	2,556	37,148	33,057
b	Other export (for final sale)				
i	USA	36,691	4,694	451,364	43,715
ii	Other countries	48,454	1,466	190,979	20,742
	Total domestic and export shipments	648,333	37,372	7,562,427 (2)	422,414
	Production, (for sale only)	744,532	34,195	8,040,477	383,824
	Imports by producers (including conversion)	34,218	2,471	270,168	32,949

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes a revision for November 1969.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
December 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres	25	286	-	6,770	2,378	12,181	10,865
b	Other warehouses	- (1)	50	-	2,038	441	21	533
6	Automotive and aircraft industries	2,708	-	-	98	3	46	10,861
7	Agriculture	-	-	11	469	569	-	3,432
8a	Contractors - Building ...	-	-	12	705	5	5,500	427
b	Construction - Public and utility	29	-	-	199	-	397	186
c	Structural steel fabri- cators	180	42	302	24,354	4,223	8,956	8,910
9	Containers	-	-	-	-	-	-	14
10	Machinery and tools	-	25	1,733	903	215	21	2,092
11	Wire, wire products and fasteners	1,093	-	37,946	107	89	10	7,534
12	Natural resources and extractive industries ..	233	841	-	466	101	640	9,873
13	Appliances and utensils ..	-	-	-	5	67	-	131
14	Other metal stamping and pressing	98	3	297	182	379	6,024	1,051
16	Railway operating	-	20,216	-	66	16	-	626
17	Railroad cars and loco- motives	2,153	-	-	1,549	32	-	967
18	Shipbuilding	-	-	-	483	3	-	325
19	Pipes and tubes	19,161	-	54	-	-	-	42
20	Miscellaneous	5,773	-	493	-	104	320	608
Total domestic shipments		31,452	21,463	40,848	38,394	8,625	34,116	58,477
5a	Export - For conversion and return	-	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	4,195	760	1,509	5,086	1,619	390	6,942
ii	Other countries	5,842	16,752	2,160	5	-	10,858	584
Total domestic and exports shipments ..		41,489	38,975	44,517	43,485	10,244	45,364	66,003
Production (for sale only)		75,920	37,552	43,859	51,701	9,770	50,018	70,299
Imports by producers (in- cluding conversion)		27,547	-	-	-	-	-	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
December 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
70	15,443	11,243	180	2,569	14,330	11,062	87,402	4a
-	2,019	2,566	145	-	2,224	-	10,036	b
-	467	32,963	2,209	1,183	12,218	2,146	64,902	6
-	942	3,148	106	550	1,068	208	10,503	7
-	787	2,754	128	30	3,888	24,055	38,291	8a
8	275	329	- (2)	-	218	-	1,639	b
2	19,563	1,738	724	44	221	2,649	71,908	c
-	-	199	23	-	25,824	80	26,140	9
-	6,465	4,299	1,071	637	7,752	597	25,810	10
-	558	1,687	197	117	2,315	188	51,841	11
158	1,640	713	-	28	452	- (5,984)	9,161	12
-	700	1,421	43	146	8,453	1,734	12,700	13
-	3,106	3,326	156	127	11,823	1,584	28,156	14
7,192	224	43	-	-	9	28	28,420	16
-	6,798	1,194	-	8	19	144	12,864	17
-	4,572	242	-	7	6	-	5,638	18
-	35,889	14,769	21,982	26	5,918	296	98,137	19
5	-	-	-	40	893	60	8,296	20
7,435	99,448	82,634	26,962	5,512	97,631	38,847	591,844	
-	-	-	-	-	2,556	-	2,556	5a
-	-	-	-	-	-	-	-	b
16	5,154	4,976	-	15	6,744	3,979	41,385	i
1,341	-	1,808	-	10	8,975	1,585	49,920	ii
8,792	104,602	89,418	26,962	5,537	115,906	44,411	685,705	
7,291	106,895	107,238	27,853	6,036	134,069	50,226	778,727	
-	-	6,671	-	-	2,471	-	36,689	

(2) Includes silicon sheets and strips and stainless steel.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Twelve months ended December 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
					net tons of 2,000 pounds			
4a	Wholesalers and ware- houses - Steel service centres	226	2,731	422	90,001	37,707	173,195	102,656
b	Other warehouses	43	1,657	26	18,371	7,499	20,975	6,007
6	Automotive and aircraft industries	30,880	-	347	1,526	222	131	160,180
7	Agriculture	315	-	50	4,995	6,648	-	38,553
8a	Contractors - Building ...	-	212	1,304	6,373	682(3)	96,016	4,258
b	Construction - Public and utility	29	6	-	5,369	115	18,882	2,522
c	Structural steel fabri- cators	1,324	580	5,161	271,851	60,649	210,104	95,271
9	Containers	-	-	56	-	-	-	40
10	Machinery and tools	194	212	13,350	8,176	2,601	431	33,617
11	Wire, wire products and fasteners	8,994	-	397,192	406	2,127	375	76,516
12	Natural resources and extractive industries ..	4,645	6,981	-	5,794	693	8,913	99,629
13	Appliances and utensils ..	-	20	-	1,048	577	354	1,074
14	Other metal stamping and pressing	3,623	767	1,553	2,993	6,168	138,209	26,686
16	Railway operating	101	234,720	-	1,762	740	-	5,080
17	Railroad cars and loco- motives	26,739	77	-	10,535	405	6	4,857
18	Shipbuilding	-	8	-	5,604	158	-	1,612
19	Pipes and tubes	144,583	-	934	-	-	151	161
20	Miscellaneous	60,317	21	4,531	191	375	5,471	4,834
Total domestic shipments		282,013	247,992	424,926	434,995	127,366(3)	673,213	663,553
5a	Export - For conversion and return	37,148	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	48,473	18,142	27,851	29,627	12,540	7,880	73,264
ii	Other countries	11,666	42,132	11,968	19	-	18,817	7,719
Total domestic and exports shipments ..		379,300	308,266	464,745	464,641	139,906(3)	699,910	744,536
Production (for sale only)		846,698	303,474	456,874	455,329	142,938	680,060	760,704
Imports by producers (in- cluding conversion)		252,955	-	-	-	-	2,648	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Twelve months ended December 1969

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
640	145,566	147,173	2,658	30,796	169,649	108,106	1,011,526	4a
80	24,606	32,497	6,484	-	17,152	-	135,397	b
-	8,201	399,750	29,681	19,136	177,468*	20,147	847,669	6
-	14,230	48,341	2,541	11,679	23,865	3,888	155,105	7
56	13,464	44,565	3,297	356	50,853	296,063	517,499(3)	8a
78	1,874	6,489	- (2)	-	2,940	577	38,879	b
27	175,378	34,795	8,093	683	7,907	35,811	907,634	c
-	204	5,507	1,313	32	489,466	1,361	497,979	9
-	54,756	47,418	9,909	9,624	97,178	10,123	287,589	10
3,521	4,682	16,436	546	2,238	20,613	2,613	536,259	11
829	16,731	8,710	78	150	7,667	3,090	163,910	12
-	3,200	22,870	1,331	2,236	121,384	23,746	177,840	13
29	25,105	48,150	6,297	2,850	141,266	21,676	425,372	14
75,582	5,855	1,679	-	51	149	272	325,991	16
1	38,008	13,162	-	15	110	1,366	95,281	17
-	40,103	1,844	256	51	43	237	49,916	18
-	347,368	153,673	229,289	259	64,607	6,091	947,116	19
14	- (2)	244	95	392	9,305	1,086	86,874	20
80,857	919,329	1,033,303	301,866	80,548	1,401,622	536,253	7,207,836(3)	
-	-	-	-	-	33,057	-	70,205	5a
678	48,465	74,638	3,370	1,083	95,377	53,691	495,079	i
3,020	-	10,186	-	200	90,077	15,917	211,721	ii
84,555	967,794	1,118,127	305,236	81,831	1,620,133	605,861	7,984,841(3)	
83,418	972,480	1,153,619	268,027	82,234	1,606,100	612,346	8,424,301	
-	-	14,565	-	-	32,949	-	303,117	

(2) Includes silicon sheets and strips and stainless steel.

(3) Includes revisions for November 1969.

List of Reporting Firms

Name	Plant location
<u>Pig Iron</u>	
Algoma Steel Corporation Ltd., The	Sault Ste. Marie, Ont.
Canadian Furnace Division of the Algoma Steel Corp'n. Ltd.	Port Colborne, Ont.
Cominco Ltd.	Kimberley, B.C.
Dominion Foundries & Steel Ltd.	Hamilton, Ont.
Quebec Iron & Titanium Corporation	Sorel, Que.
Steel Co. of Canada Ltd., The	Hamilton, Ont.
Sydney Steel Corporation	Sydney, N.S.
<u>Steel Ingots and Steel Castings</u>	
A-1 Steel and Iron Foundry Ltd.	Vancouver, B.C.
Abex Industries of Canada Ltd., Amsco Joliette Division	Joliette, Que. Selkirk, Man.
Algoma Steel Corporation Ltd., The	Sault Ste. Marie, Ont.
Atlas Steels Co., Division of Rio Algom Mines Ltd.	Tracy, Que. Welland, Ont.
Black-Clawson-Kennedy Ltd.	Owen Sound, Ont.
Burlington Steel Co., Division of Slater Steel Industries Ltd.	Hamilton, Ont.
C.A.E. Machinery Ltd.	Vancouver, B.C.
Canadian Steel Foundries Division of Hawker Siddeley Canada Ltd.	Montreal, Que.
Canadian Steel Wheel Ltd.	Hochelaga, Montreal, Que.
Canadian Unitcast-Steel Ltd.	Sherbrooke, Que.
Cominco Ltd.	Kimberley, B.C. Tadanac, B.C.
Crucible Steel of Canada Ltd.	Sorel, Que.
Dominion Engineering Works Ltd.	Montreal, Que.
Dominion Foundries & Steel Ltd.	Hamilton, Ont.
Dosco - Montreal Works	Montreal, Que.
Enamel & Heating Products Ltd.	Amherst, N.S.
Esco Limited	Port Coquitlam, B.C.
Fahrallloy-Canada Ltd.	Orillia, Ont.
Fahrallloy - Wisconsin Ltd.	Orillia, Ont.
Foothills Steel Foundry, Division of Irving Industries Ltd.	Calgary, Alta.
Griffin Steel Foundries Ltd.	St. Hyacinthe, Que. Transcona, Man.
Indiana Steel Products Co. of Canada Ltd. The	Kitchener, Ont.
Interprovincial Steel & Pipe Corporation Ltd.	Regina, Sask.
Lake Ontario Steel Co. Ltd.	Whitby, Ont.
Lynn MacLeod Metallurgy Ltd.	Thetford Mines, Que.
Manganese Steel Castings Ltd.	Sherbrooke, Que.
Manitoba Rolling Mill Co. Ltd.	Selkirk, Man.
Maritime Steel Foundries Ltd.	New Glasgow, N.S.
Neelon Steel Ltd.	Sudbury, Ont.
Newfoundland Steel Co. Ltd.	St. John's Nfld.
Quality Steel Foundries Ltd.	Edmonton, Alta.
Reliance Foundry Co. Ltd.	North Surrey, B.C.
Sorel Steel Foundries Ltd.	Sorel, Que.

List of Reporting Firms - Continued

Name	Plant location
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Steel Ingots and Steel Castings - Concluded

Steel Co. of Canada Ltd., The	Hamilton, Ont. Edmonton, Alta.
Sydney Steel Corporation	Sydney, N.S.
Victoria Machinery Depot Co. Ltd.	Victoria, B.C.
Welmet Industries Ltd.	Welland, Ont.
Western Canada Steel Ltd.	Calgary, Alta. Vancouver, B.C.

Ferro Alloys

Canadian Carborundum Co. Ltd.	Niagara Falls, Ont.
Chromium Mining & Smelting Corp. Ltd.	Montreal, Que.
Exolon Company, The	Thorold, Ont.
Lionite Abrasive Ltd.	Niagara Falls, Ont.
Norton Company	Chippawa, Ont.
Simonds Canada Abrasives Co.	Arvida, Que.
Union Carbide Canada Ltd. (Metals & Carbon Div.)	Beauharnois, Que. Welland, Ont.

Steel Pipe, Tubing and Fittings

Barton Tubes Limited	Burlington, Ont.
Bundy Tubing Co. of Canada Ltd.	Bramalea, Ont.
Canadian Acme Screw & Gear Co.	Toronto, Ont.
Canadian Phoenix Steel & Pipe Ltd.	Calgary, Alta. Edmonton, Alta Port Moody, B.C.
Canadian Phoenix Steel & Pipe (Toronto) Ltd.	Toronto, Ont.
Canvil Ltd.	Simcoe, Ont.
Dosco - Montreal Works	Montreal, Que.
Interprovincial Steel & Pipe Corp. Ltd. Pipe Div.	Regina, Sask.
Ladish Co. of Canada Ltd.	Brantford, Ont.
Mannesmann Tube Co. Ltd.	Sault Ste. Marie, Ont.
Prudential Steel Ltd.	Calgary, Alta.
Sonco Steel Products Ltd.	Brampton, Ont.
Standard Tube of Canada Ltd.	Montreal, Que. Woodstock, Ont. Winnipeg, Man.
Stanton Pipes Ltd.	Hamilton, Ont.

Name	Plant location
<u>Steel Pipe, Tubing and Fittings - Concluded</u>	
Steel Co. of Canada Ltd., The	Contrecoeur, Que. Montreal, Que. Hamilton, Ont. Camrose, Alta. Welland, Ont.
(Page-Hersey Works)	Welland, Ont.
Tubular Steel Products Ltd.	Scarborough, Ont.
Tube Turns of Canada Ltd.	Ridgetown, Ont.
Welland Tubes Ltd.	Welland, Ont.
<u>Ingots and Rolled Steel Products</u>	
Algoma Steel Corporation Ltd. The	Sault Ste. Marie, Ont.
Atlas Steels Co., Division of Rio Algom Mines Ltd.	Tracy, Que. Welland, Ont.
Burlington Steel Co., Division of Slater Industries Ltd.	Hamilton, Ont.
Canadian Steel Wheel	Hochelaga, Montreal, Que.
Cominco Ltd.	Kimberley, B.C.
Dominion Foundries & Steel Ltd.	Hamilton, Ont.
Dosco Steel Limited	Contrecoeur, Que. Montreal, Que. Etobicoke, Ont.
Enamel & Heating Products Ltd.	Amherst, N.S.
Interprovincial Steel & Pipe Corp. Ltd. (Steel Division)	Regina, Sask.
Lake Ontario Steel Co. Ltd.	Whitby, Ont.
Manitoba Rolling Mill Co. Ltd.	Winnipeg, Man.
Newfoundland Steel Co. Ltd.	St. John's N'fld.
Stanley Steel Co. Ltd.	Hamilton, Ont.
Steel Co. of Canada Ltd., The	Hamilton, Ont. Edmonton, Alta.
Sydney Steel Corporation	Sydney, N.S.
Union Drawn Steel Co. Ltd.	Hamilton, Ont.
Vic Metal Corporation	Victoriaville, Que.
Western Canada Steel Ltd.	Calgary, Alta. Vancouver, B.C.

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- amount too small to be expressed.
- P preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

NOTE

The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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TABLE 1. Pig Iron Capacity, January 1, 1970

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces	14	9,005,000	1	150,000
Electric furnaces	11	575,000	-	-
Totals	25	9,580,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

	January 1970	Year to date
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines	21,724	
From foreign mines	11,544	
Pyrite cinder	(2)	
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines	864,720	Cumulative figures will appear here in subsequent issues
From foreign mines	130,561	
From own processing	94,085	
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.)	24,685	
Scrap iron and steel	11,346	
Limestone	74,920	
Dolomite	38,622	
Coke	403,153	

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

	1969		1970	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>January</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	644,970	5,601	713,795	5,195
Foundry (including silvery pig)(2)	55,237	14,604	60,050	15,380
Malleable	8,419	16,486	14,470	12,662
Total pig iron	708,626	36,691	788,315	33,237
Ferro-alloys	14,822	19,296	15,124	12,359
Stocks of pig iron on hand at end of month	229,657		268,588	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 3A. Production and Shipments of Pig Iron and Ferro-alloys

	1969		1970	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>Year to date</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	Cumulative figures will appear here in subsequent issues			
Foundry (including silvery pig)(2)				
Malleable				
Total pig iron				
Ferro-alloys				

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Steel Furnace Capacity, January 1, 1970

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth	6,970,000
Electric	2,055,450
Basic oxygen furnace	3,800,000
Total ingots	12,825,450
Steel castings	415,925
Total ingots and castings	13,241,375

TABLE 5. Pig Iron and Scrap charged to Steel Furnaces

	January		Year to date	
	1969	1970	1969	1970
	net tons of 2,000 pounds			
Pig iron	631,070	694,320	Cumulative figures will appear here in subsequent issues	
Scrap - Own make	298,799	291,856		
Purchased	201,042	204,496		
Total pig iron and scrap	1,130,911	1,190,672		

TABLE 6. Production and Shipments of Steel Ingots and Castings

	1969		1970	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>January</u>				
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	861,037	10,705	904,708	13,360
Electric	125,807	26,199	138,121	23,389
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	986,844	36,904	1,042,829	36,749
Continuous cast steel included in above	98,256 ^r	x	122,378	x
Alloy steel ingots included in above	73,718	x	83,917	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	-	-	-	-
Electric	11,731	10,105	14,136	14,321
Basic oxygen furnace	-	-	-	-
Total steel castings	11,731	10,105	14,136	14,321
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	604	342	608	349
Manganese and abrasion resistant	1,809	1,923	1,970	2,032
All other alloys	608	683	800	905
Total alloy castings	3,021	2,948	3,378	3,286

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

TABLE 6A. Production and Shipments of Steel Ingots and Castings

	1969		1970	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>Year to date</u>	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth				
Electric				
Basic oxygen furnace				
<hr/>				
Total steel ingots				
<hr/>				
Continuous cast steel included in above				
Alloy steel ingots included in above				
<hr/>				
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth				
Electric				
Basic oxygen furnace				
<hr/>				
Total steel castings				
<hr/>				
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant				
Manganese and abrasion resistant				
All other alloys				
<hr/>				
Total alloy castings				

Cumulative figures will appear
here in subsequent issues

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

TABLE 7. Disposition of Shipments(1) of Steel Castings

	January 1970		Year to date	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses	-	5		
Export	1,385	162		
Automotive and aircraft industries	460	-		
Agricultural (including implement and equipment manufacturers)	116	37		
Construction (including public works, public utilities and structural steel fabricators) ...	77	277		
Machinery and tools	1,998	380		
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.)	864	1,525		
Railway operating	3,450	234		
Railroad cars and locomotives	2,440	345		
Shipbuilding	41	9		
Miscellaneous (including grinding balls and railway car wheels)	204	312		
Totals	11,035	3,286		

Cumulative figures
will appear here in
subsequent issues

(1) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request. Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
	net tons of 2,000 pounds				
<u>1969</u>					
January	708,626	14,822	986,844	11,731	998,575
February	647,814	16,029	899,685	12,554	912,239
March	768,830	17,506	1,022,559	13,398	1,035,957
April	774,949	17,889	1,012,947	14,239	1,027,186
May	782,891	15,862	1,013,833	15,033	1,028,866
June	726,491	18,453	974,843	13,888	988,731
July	732,290	15,152	942,868	10,659	953,527
August	286,697	16,564	387,527	10,628	398,155
September	295,861	19,750	408,395	12,527	420,922
October	357,217	15,033	529,862	12,750	542,612
November	645,936	16,674	948,236	12,684	960,920
December	733,617	20,570	1,024,247	14,615	1,038,862
Totals	7,461,219	204,304	10,151,846	154,706	10,306,552
<u>1970</u>					
January	788,315	15,124	1,042,829	14,136	1,056,965
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
Totals					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

	1969		1970	
	Made	Shipped	Made	Shipped
net tons of 2,000 pounds				
<u>January</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	20,953	20,159	25,706	22,298
Over 4 1/2" outside diameter (excluding tubing and casing)	38,367	36,775	31,714	32,367
Mechanical and pressure tubing, casing and oil well tubing	22,209	21,485	24,143	21,421
Totals	81,529	78,419	81,563	76,086
<u>Steel pipe fittings</u>				
Buttwelding fittings	93	116	69	99
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	632	668	594	682
Totals	725	784	663	781

(1) Included with "Other".

TABLE 9A. Production and Shipments of Steel Pipe, Tubing and Fittings

	1969		1970	
	Made	Shipped	Made	Shipped
net tons of 2,000 pounds				
<u>Year to date</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)				
Over 4 1/2" outside diameter (excluding tubing and casing)				
Mechanical and pressure tubing, casing and oil well tubing				
Totals				
<u>Steel pipe fittings</u>				
Buttwelding fittings				
Nipples				
Other, including flanges and flanged fittings ...				
Totals				

Cumulative figures will appear here in subsequent issues

(1) Included with "Other".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
January 1970	net tons of 2,000 pounds				
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	48,086	6,322	49,056	46,206	2,850
For forging and piercing	27,033	-	23,280	...	23,280
Rails	32,181	-	40,980	...	40,980
Wire rods	52,128	-	53,125	975	52,150
Structural shapes:					
Heavy	51,153	-	43,981	...	43,981
Bar-sized shapes	16,255	-	12,151	...	12,151
Concrete reinforcing bars	43,949	-	46,920	...	46,920
Other hot rolled bars:					
Flats	5,089	-	13,378	) 3,051	55,026
Other	56,924	-	44,699		
Tie plates and track material:					
Angle bars	840	-	776	...	776
Tie plates	4,056	-	4,020	...	4,020
Track spikes	770	-	799	...	799
Plates (including plates for pipes and tubes)	111,226	-	114,233	26	114,207
Hot rolled sheets	114,751	7,557	112,072	4,188	107,884
Hot rolled strip	35,383	-	34,479	58	34,421
Total hot rolled products ...	599,824	13,879	593,949	54,504	539,445
<u>Cold rolled and coated</u>					
Cold finished bars	5,636	-	5,887	...	5,887
Cold reduced sheets and strip, cold rolled other, and coated	151,571	-	151,164	4,726	146,438
Galvanized sheets	53,910	-	53,966	407	53,559
Total cold rolled and coated ..	211,117	-	211,017	5,133	205,884
Total carbon steel	810,941	13,879	804,966	59,637	745,329
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	8,402	-	8,402	...	8,402
Alloy plates	4,075	-	4,075	...	4,075
Other hot rolled bars including structurals	18,171	-	18,194	85	18,109
Cold finished bars	705	-	676	...	676
Wire rods	701	-	701	...	701
Hot and cold rolled sheets and strip, cold rolled other	7,712	3,838	13,181	...	13,181
Total alloy steel	39,766	3,838	45,229	85	45,144

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		January 1970		Year to date	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres	93,373	2,999		
b	Other warehouses	9,452	-		
6	Automotive and aircraft industries	78,630	10,892		
7	Agricultural	13,670	488		
8a	Contractors - Building	39,724	17		
b	Construction - Public and utility ..	3,445	-		
c	Structural steel fabricators	75,366	2,257		
9	Containers	48,410	13		
10	Machinery and tools	23,417	3,052		
11	Wire, wire products and fasteners ..	57,483	3,245		
12	Natural resources and extractive industries	12,837	1,831		
13	Appliances and utensils	15,818	240		
14	Other metal stamping and pressing ..	34,249	1,937		
16	Railway operating	28,180	9		
17	Railroad cars and locomotives	10,464	264		
18	Shipbuilding	7,251	45		
19	Pipes and tubes	108,631	6,708		
20	Miscellaneous	5,488	130		
	Total domestic shipments	665,888	34,127		
5a	Export - For conversion and return	-	4,575		
b	Other export (for final sale)				
i	USA	43,316	4,917		
ii	Other countries	36,125	1,525		
	Total domestic and export shipments	745,329	45,144		
	Production, (for sale only)	810,941	39,766		
	Imports by producers (including conversion)	13,879	3,838		

Cumulative figures
will appear here in
subsequent issues

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
January 1970

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres	14	81	33	9,153	2,495	12,721	10,523
b	Other warehouses	-	92	-	2,105	368	-	831
6	Automotive and aircraft industries	3,977	-	138	4	136	21	16,503
7	Agriculture	-	-	-	319	443	-	4,250
8a	Contractors - Building ...	-	-	597	758	44	4,027	392
b	Construction - Public and utility	-	-	-	-	-	2,015	65
c	Structural steel fabri- cators	542	44	327	26,356	4,796	8,745	6,805
9	Containers	-	-	-	-	-	-	-
10	Machinery and tools	-	-	1,834	396	145	-	3,016
11	Wire, wire products and fasteners	770	-	45,695	3	308	11	8,959
12	Natural resources and extractive industries ..	228	470	-	376	3	839	9,063
13	Appliances and utensils ..	-	-	-	-	20	-	29
14	Other metal stamping and pressing	166	183	443	101	181	9,152	3,039
16	Railway operating	13	21,834	-	67	71	-	716
17	Railroad cars and loco- motives	2,580	-	-	817	-	-	578
18	Shipbuilding	-	-	-	388	-	-	437
19	Pipes and tubes	18,053	-	264	-	(- 50)	444	3
20	Miscellaneous	4,419	-	-	-	-	238	93
	Total domestic shipments	30,762	22,704	49,331	40,843	8,960	38,213	65,302
5a	Export - For conversion and return	-	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	920	600	2,018	3,138	3,191	350	7,422
ii	Other countries	2,850	17,676	1,502	-	-	8,357	411
	Total domestic and exports shipments ..	34,532	40,980	52,851	43,981	12,151	46,920	73,135
	Production (for sale only)	83,521	32,181	52,829	51,153	16,255	43,949	80,184
	Imports by producers (in- cluding conversion)	6,322	-	-	-	-	-	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
January 1970

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, cold rolled other and coated	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
82	17,038	13,093	331	2,299	15,788	12,721	96,372	4a
42	2,221	1,988	77	-	1,728	-	9,452	b
-	429	43,068	3,577	1,407	18,464	1,798	89,522	6
-	2,194	3,893	204	1,028	1,659	168	14,158	7
8	1,606	3,331	666	45	4,643	23,624	39,741	8a
1	283	697	-	-	125	259	3,445	b
7	22,340	2,884	933	68	1,383	2,393	77,623	c
-	-	564	76	-	47,623	160	48,423	9
-	5,471	3,696	1,072	830	9,183	826	26,469	10
382	354	1,934	161	275	1,667	209	60,728	11
62	1,847	1,034	-	28	492	226	14,668	12
-	261	1,881	133	87	11,823	1,824	16,058	13
3	2,158	3,673	507	349	13,299	2,932	36,186	14
4,934	447	60	-	-	28	19	28,189	16
-	5,077	1,467	-	7	-	202	10,728	17
-	5,658	733	80	-	-	-	7,296	18
-	45,214	17,246	25,932	39	7,690	504	115,339	19
73	-	14	-	23	758	-	5,618	20
5,594	112,598	101,256	33,749	6,485	136,353	47,865	700,015	
-	-	-	-	-	4,575	-	4,575	5a
-	5,684	7,735	672	33	11,318	5,152	48,233	b
1	-	128	-	45	6,138	542	37,650	i
5,595	118,282	109,119	34,421	6,563	158,384	53,559	790,473	ii
5,666	115,301	115,986	35,383	6,341	158,048	53,910	850,707	
-	-	7,557	-	-	3,838	-	17,717	

TABLE 13. Steel Capacity as of January 1, 1970

Firm and province	Ingots			Castings	
	Basic oxygen	Open hearth	Electric	Electric	Total capacity
tons of 2,000 pounds					
<u>Newfoundland</u>					
Newfoundland Steel Co. Ltd.	-	-	60,000	-	60,000
Total Newfoundland	-	-	60,000	-	60,000
<u>Nova Scotia</u>					
Enamel and Heating Products Ltd.	-	-	20,000	-	20,000
Maritime Steel Foundries Ltd.	-	-	-	3,000	3,000
Sydney Steel Corporation	-	1,070,000	30,000	-	1,100,000
Total Nova Scotia	-	1,070,000	50,000	3,000	1,123,000
<u>Quebec</u>					
Abex Industries of Canada Ltd. (Amsco Joliette Division)	-	-	-	32,700	32,700
Atlas Steels Co., Division of Rio Algom Mines Limited	-	-	70,000	-	70,000
Canadian Steel Foundries Division of Hawker Siddeley Canada Ltd.	-	-	-	102,000	102,000
Canadian Steel Wheel Ltd.	-	-	145,800	-	145,800
Canadian Unitcast-Steel Limited	-	-	-	3,600	3,600
Crucible Steel of Canada Limited	-	-	42,000	-	42,000
Dominion Engineering Works Limited	-	-	-	15,000	15,000
Dominion Steel & Coal Corp'n. Ltd.	-	-	165,000	-	165,000
Griffin Steel Foundries Ltd.	-	-	-	52,500	52,500
Lynn MacLeod Metallurgy Ltd.	-	-	-	4,500	4,500
Manganese Steel Castings Ltd.	-	-	-	1,800	1,800
Sorel Steel Foundries Limited	-	-	-	24,000	24,000
Total Quebec	-	-	422,800	236,100	658,900
<u>Ontario</u>					
Algoma Steel Corp'n. Ltd., The	1,450,000	1,150,000	-	-	2,600,000
Atlas Steels Co., Division of Rio Algom Mines Limited	-	-	250,000	-	250,000
Black-Clawson-Kennedy Ltd.	-	-	-	5,600	5,600
Burlington Steel Co. Division of Slater Steel Industries Ltd.	-	-	253,800	-	253,800
Canada Electric Castings Co. Ltd.	-	-	-	5,000	5,000
Dominion Foundries & Steel Ltd.	2,270,000	-	50,850	-	2,320,850
Fahralloy Canada Ltd.	-	-	-	16,500	16,500
Fahralloy-Wisconsin Ltd.	-	-	-	4,500	4,500
Indiana Steel Products Co. of Canada Ltd., The	-	-	-	8,500	8,500
Lake Ontario Steel Co. Ltd.	-	-	300,000	-	300,000
Neelon Steel Ltd.	-	-	-	10,000	10,000
Steel Co. of Canada Ltd., The	-	4,750,000	-	-	4,750,000
Welmet Industries Limited	-	-	-	10,500	10,500
Total Ontario	3,720,000	5,900,000	854,650	60,600	10,535,250

TABLE 13. Steel Capacity as of January 1, 1970 - Concluded

Firm and province	Ingots			Castings	
	Basic oxygen	Open hearth	Electric	Electric	Total capacity
tons of 2,000 pounds					
<u>Manitoba</u>					
Abex Industries of Canada Ltd.	-	-	-	7,000	7,000
Griffin Steel Foundries Ltd.	-	-	-	70,000	70,000
Hudson Bay Mining and Smelting Co. Ltd. ...	-	-	-	2,225	2,225
Manitoba Rolling Mill Co., Ltd.	-	-	160,000	-	160,000
Total Manitoba	-	-	160,000	79,225	239,225
<u>Saskatchewan</u>					
Interprovincial Steel and Pipe Corporation Limited	-	-	210,000	-	210,000
Total Saskatchewan	-	-	210,000	-	210,000
<u>Alberta</u>					
Foothills Steel Foundry, Division of Irving Industries Ltd.	-	-	-	4,000	4,000
Quality Steel Foundries Ltd.	-	-	-	1,000	1,000
Steel Co. of Canada Ltd., The	-	-	128,000	-	128,000
Western Rolling Mills Ltd.	-	-	50,000	-	50,000
Total Alberta	-	-	178,000	5,000	183,000
<u>British Columbia</u>					
A-1 Steel and Iron Foundry Ltd.	-	-	-	7,800	7,800
C.A.E. Sumner Limited	-	-	-	3,600	3,600
Cominco Ltd. (Kimberley)	80,000	-	-	-	80,000
Cominco Ltd. (Tadanac)	-	-	-	3,600	3,600
Esco Limited	-	-	-	7,400	7,400
Horton Steel	-	-	-	2,200	2,200
Reliance Foundry Co. Ltd.	-	-	-	4,400	4,400
Western Canada Steel Ltd., Vancouver Steel Division	-	-	120,000	-	120,000
Victoria Machinery Depot Co. Ltd.	-	-	-	3,000	3,000
Total British Columbia	80,000	-	120,000	32,000	232,000
Total Canada	3,800,000	6,970,000	2,055,450	415,925	13,241,375

TABLE 14. Pig Iron Capacity, January 1, 1970

Firm	In blast or in use			Banked, blown out or idle		
	Furnaces		Annual capacity	Furnaces		Annual capacity
	Blast	Electric		Blast	Electric	
	number		net tons	number		net tons
Algoma Steel Corp'n. Ltd., The	4	-	2,335,000	-	-	-
Canadian Furnace Division of The Alboma Steel Corp'n. Ltd.	1	-	240,000	-	-	-
Cominco Ltd.	-	2	110,000	-	-	-
Dominion Foundries and Steel Ltd.	3	-	1,730,000	-	-	-
Quebec Iron and Titanium Corporation ..	-	9	465,000	-	-	-
Steel Company of Canada Ltd., The	4	-	3,800,000	1	-	150,000
Sydney Steel Corporation	2	-	900,000	-	-	-
Totals	14	11	9,580,000	1	-	150,000

TABLE 15. Coke Oven Capacity, January 1, 1970

Firm	In use	
	Ovens	Annual capacity(1)
	number	net tons (of coke)
Algoma Steel Corp'n. Ltd., The	260	1,852,000
Dominion Foundries and Steel Limited	158	911,625
Kaiser Coal Ltd.	52	165,000
Gaz Metropolitan Inc.	74	384,000
Steel Company of Canada Ltd., The	264	1,890,000
Cape Breton Development Corporation	114	612,000
Totals	922	5,814,625

(1) Dry weight.

TABLE 16. Sinter Plant Capacity(1) January 1, 1970

Firm	Sintering	
	units or strands	Annual capacity
	number	net tons
Algoma Steel Corporation Ltd., The	1	725,000
Cominco Ltd.	1	300,000
Steel Co. of Canada Ltd., The	1	900,000
Sydney Steel Corporation	1	273,000
Totals	4	2,198,000

(1) At manufacturing plant only.

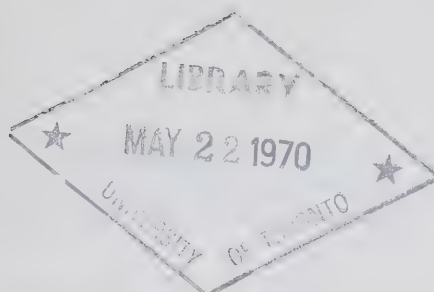
Note: Annual capacity is the production which the given piece of equipment will turn out in a year, working at normal efficiency, 24 hours a day, and irrespective altogether of materials and labour supplies or the markets, although allowing for shut-downs as may be necessary for repairs and overhauling or rebuilding.

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.. figures not available.

... figures not appropriate or not applicable.

- nil or zero.

-- amount too small to be expressed.

P preliminary figures.

r revised figures.

x confidential to meet secrecy requirements
of the Statistics Act.

NOTE

The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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TABLE 1. Pig Iron Capacity, January 1, 1970

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces	14	9,005,000	1	150,000
Electric furnaces	11	575,000	-	-
Totals	25	9,580,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

	February 1970	Year to date
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines	17,627	39,351
From foreign mines	9,249	20,793
Pyrite cinder	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines	809,170	1,673,890
From foreign mines	100,582	231,143
From own processing	90,611	184,696
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.)	22,664	47,349
Scrap iron and steel	12,436	23,782
Limestone	62,163	133,500(3)
Dolomite	34,731	76,936(3)
Coke	363,983	767,136

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

(3) Includes revisions to date.

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

	1969		1970	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>February</u>				
<u>Pig iron</u>				
Basic	587,505	3,962	657,074	5,160
Foundry (including silvery pig) (2)	52,091	25,727	53,391	9,580
Malleable	8,218	16,682	11,610	10,429
Total pig iron	647,814	46,371	722,075	25,169
Ferro-alloys	16,029	16,094	15,534	17,898
Stocks of pig iron on hand at end of month	234,730		317,848	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 3A. Production and Shipments of Pig Iron and Ferro-alloys

	1969		1970	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Year to date</u>				
<u>Pig iron</u>				
Basic	1,232,475	9,563	1,370,869	10,355
Foundry (including silvery pig) (2)	107,328	40,331	113,441	24,960
Malleable	16,637	33,168	26,080	23,091
Total pig iron	1,356,440	83,062	1,510,390	58,406
Ferro-alloys	30,851	35,390	30,658	30,257

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Steel Furnace Capacity, January 1, 1970

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth	6,970,000
Electric	2,055,450
Basic oxygen furnace	3,800,000
Total ingots	12,825,450
Steel castings	415,925
Total ingots and castings	13,241,375

TABLE 5. Pig Iron and Scrap charged to Steel Furnaces

	February		Year to date	
	1969	1970	1969	1970
	net tons of 2,000 pounds			
Pig iron	575,624	635,919	1,206,694	1,330,239
Scrap - Own make	276,970	269,424	575,769	561,280
Purchased	175,670	197,219	376,712	401,715
Total pig iron and scrap	1,028,264	1,102,562	2,159,175	2,293,234

TABLE 6. Production and Shipments of Steel Ingots and Castings

	1969		1970	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>February</u>				
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth	767,197	12,879	834,016	14,693
Electric	132,488	20,967	139,237	28,407
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	899,685	33,846	973,253	43,100
Continuous cast steel included in above	105,767 ^r	x	108,157	x
Alloy steel ingots included in above	74,337	x	77,012	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	-	-	-	-
Electric	12,554	10,364	14,973	13,918
Basic oxygen furnace	-	-	-	-
Total steel castings	12,554	10,364	14,973	13,918
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	721	451	662	379
Manganese and abrasion resistant	2,030	2,211	2,452	2,516
All other alloys	1,011	963	705	842
Total alloy castings	3,762	3,625	3,819	3,737

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

TABLE 6A. Production and Shipments of Steel Ingots and Castings

	1959		1970	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
Year to date	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	1,628,234	23,584	1,738,724	28,053
Electric	258,295	47,166	277,358	51,796
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	1,886,529	70,750	2,016,082	79,849
Continuous cast steel included in above	204,023 ^r	x	230,535	x
Alloy steel ingots included in above	148,055	x	160,929	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	-	-	(3)	-
Electric	24,285	20,469	29,109	28,239
Basic oxygen furnace	-	-	-	-
Total steel castings	24,285	20,469	29,109	28,239
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	1,325	793	1,270	728
Manganese and abrasion resistant	3,839	4,134	4,422	4,548
All other alloys	1,619	1,646	1,505	1,747
Total alloy castings	6,783	6,573	7,197	7,023

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

TABLE 7. Disposition of Shipments(1) of Steel Castings

	February 1970		Year to date	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses	-	5	-	10
Export	1,392	355	2,777	517
Automotive and aircraft industries	459	-	919	-
Agricultural (including implement and equipment manufacturers)	131	18	247	55
Construction (including public works, public utilities and structural steel fabricators) ...	87	303	164	580
Machinery and tools	1,856	446	3,854	826
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.)	814	1,602	1,678	3,127
Railway operating	2,923	310	6,373	544
Railroad cars and locomotives	2,298	378	4,738	723
Shipbuilding	33	6	74	15
Miscellaneous (including grinding balls and railway car wheels)	188	314	392	626
Totals	10,181	3,737	21,216	7,023

(1) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request. Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
			net tons of 2,000 pounds		
<u>1969</u>					
January	708,626	14,822	986,844	11,731	998,575
February	647,814	16,029	899,685	12,554	912,239
March	768,830	17,506	1,022,559	13,398	1,035,957
April	774,949	17,889	1,012,947	14,239	1,027,186
May	782,891	15,862	1,013,833	15,033	1,028,866
June	726,491	18,453	974,843	13,888	988,731
July	732,290	15,152	942,868	10,659	953,527
August	286,697	16,564	387,527	10,628	398,155
September	295,861	19,750	408,395	12,527	420,922
October	357,217	15,033	529,862	12,750	542,612
November	645,936	16,674	948,236	12,684	960,920
December	733,617	20,570	1,024,247	14,615	1,038,862
Totals	7,461,219	204,304	10,151,846	154,706	10,306,552
<u>1970</u>					
January	788,315	15,124	1,042,829	14,136	1,056,965
February	722,075	15,534	973,253	14,973	988,226
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
Totals					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

	1969		1970	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>February</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	24,476	21,073	28,780	21,230
Over 4 1/2" outside diameter (excluding tubing and casing)	33,462	37,930	47,218	41,685
Mechanical and pressure tubing, casing and oil well tubing	19,967	21,958	23,470	19,359
Totals	77,905	80,961	99,468	82,274
<u>Steel pipe fittings</u>				
Buttwelding fittings	102	112	70	94
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	569	530	643	635
Totals	671	642	713	729

(1) Included with "Other".

TABLE 9A. Production and Shipments of Steel Pipe, Tubing and Fittings

	1969		1970	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Year to date</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	45,429	41,232	54,486	43,528
Over 4 1/2" outside diameter (excluding tubing and casing)	71,829	74,705	78,932	74,052
Mechanical and pressure tubing, casing and oil well tubing	42,176	43,443	47,613	40,780
Totals	159,434	159,380	181,031	158,360
<u>Steel pipe fittings</u>				
Buttwelding fittings	195	228	139	193
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	1,201	1,198	1,237	1,317
Totals	1,396	1,426	1,376	1,510

(1) Included with "Other".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
			net tons of 2,000 pounds		
<u>February 1970</u>					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	47,210	19,203	43,469	40,664	2,805
For forging and piercing	19,660	-	23,270	-	23,270
Rails	39,284	-	35,038	-	35,038
Wire rods	45,986	-	46,311	162	46,149
Structural shapes:					
Heavy	51,023	-	49,910	-	49,910
Bar-sized shapes	14,199	-	14,517	-	14,517
Concrete reinforcing bars	74,356	-	83,871	540	83,331
Other hot rolled bars:					
Flats	7,363	-	12,554	-	12,554
Other	46,247	-	41,060	2,914	50,700
Tie plates and track material:					
Angle bars	989	-	939	-	939
Tie plates	6,464	-	6,469	-	6,469
Track spikes	1,457	-	1,448	-	1,448
Plates (including plates for pipes and tubes)	92,831	-	92,919	-	92,919
Hot rolled sheets	107,164	6,612	100,636	4,726	95,910
Hot rolled strip	29,426	-	29,156	48	29,108
Total hot rolled products ...	583,659	25,815	581,567	49,054	532,513
<u>Cold rolled and coated</u>					
Cold finished bars	5,720	-	5,743	-	5,743
Cold reduced sheets and strip, cold rolled other, and coated	136,892	-	143,003	8,340	134,663
Galvanized sheets	52,765	-	48,749	41	48,708
Total cold rolled and coated ...	195,377	-	197,495	8,381	189,114
Total carbon steel	779,036	25,815	779,062	57,435	721,627
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	7,749	-	7,749	-	7,749
Alloy plates	13,443	-	13,443	-	13,443
Other hot rolled bars	15,227	-	15,083	107	14,976
Cold finished bars	715	-	724	-	724
Wire rods	247	-	247	-	247
Hot and cold rolled sheets and strip, cold rolled other	8,170	2,646	9,831	-	9,831
Total alloy steel	45,551	2,646	47,077	107	46,970

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
<u>Year to date</u>	net tons of 2,000 pounds				
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	95,296	25,525	92,525	86,870	5,655
For forging and piercing	46,693	-	46,550	...	46,550
Rails	71,465	-	76,018	...	76,018
Wire rods	98,114	-	99,436	1,137	98,299
Structural shapes:					
Heavy	102,176	-	93,891	...	93,891
Bar-sized shapes	30,454	-	26,668	...	26,668
Concrete reinforcing bars	118,305	-	130,791	540	130,251
Other hot rolled bars:					
Flats	12,452	-	25,932	) 5,965	105,726
Other	103,171	-	85,759		
Tie plates and track material:					
Angle bars	1,829	-	1,715	...	1,715
Tie plates	10,520	-	10,489	...	10,489
Track spikes	2,227	-	2,247	...	2,247
Plates (including plates for pipes and tubes)	204,057	-	207,152	26	207,126
Hot rolled sheets	221,915	14,169	212,708	8,914	203,794
Hot rolled strip	64,809	-	63,635	106	63,529
Total hot rolled products ...	1,183,483	39,694	1,175,516	103,558	1,071,958
<u>Cold rolled and coated</u>					
Cold finished bars	11,356	-	11,630	...	11,630
Cold reduced sheets and strip, cold rolled other, and coated	288,463	-	294,167	13,066	281,101
Galvanized sheets	106,675	-	102,715	448	102,267
Total cold rolled and coated ..	406,494	-	408,512	13,514	394,998
Total carbon steel	1,589,977	39,694	1,584,028	117,072	1,466,956
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	16,151	-	16,151	...	16,151
Alloy plates	17,518	-	17,518	...	17,518
Other hot rolled bars including structurals	33,398	-	33,277	192	33,085
Cold finished bars	1,420	-	1,400	...	1,400
Wire rods	948	-	948	...	948
Hot and cold rolled sheets and strip, cold rolled other	15,882	6,484	23,012	...	23,012
Total alloy steel	85,317	6,484	92,306	192	92,114

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		February 1970		Year to date	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres	104,877	3,034	198,250	6,033
b	Other warehouses	9,193	59	18,645	59
6	Automotive and aircraft industries	51,099	6,707	129,729	17,599
7	Agricultural	11,791	488	25,461	976
8a	Contractors - Building	46,084	283	85,808	300
b	Construction - Public and utility ..	3,659	-	7,104	-
c	Structural steel fabricators	94,318	2,706	169,684	4,963
9	Containers	43,873	17	92,283	30
10	Machinery and tools	23,421	3,930	46,838	6,982
11	Wire, wire products and fasteners ..	49,982	2,580	107,465	5,825
12	Natural resources and extractive industries	14,717	2,449	27,554	4,280
13	Appliances and utensils	14,567	203	30,385	443
14	Other metal stamping and pressing ..	38,950	2,788	73,199	4,725
16	Railway operating	42,888	255	71,068	264
17	Railroad cars and locomotives	6,524	2,738	16,988	3,002
18	Shipbuilding	4,375	2,150	11,626	2,195
19	Pipes and tubes	95,512	6,473	204,143	13,181
20	Miscellaneous	5,838	167	11,326	297
	Total domestic shipments	661,668	37,027	1,327,556	71,154
5a	Export - For conversion and return	-	864	-	5,439
b	Other export (for final sale)				
i	USA	40,912	7,192	84,228	12,109
ii	Other countries	19,047	1,887	55,172	3,412
	Total domestic and export shipments	721,627	46,970	1,466,956	92,114
	Production, (for sale only)	779,036	45,551	1,589,977	85,317
	Imports by producers (including conversion)	25,815	2,646	39,694	6,484

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
February 1970

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres	7	100	12	10,294	3,719	23,186	7,872
b	Other warehouses	-	207	-	1,466	571	621	660
6	Automotive and aircraft industries	2,383	-	18	90	36	-	9,003
7	Agriculture	20	-	14	278	488	-	2,645
8a	Contractors - Building ...	13	-	243	948	39	7,451	1,037
b	Construction - Public and utility	-	-	-	203	-	1,695	161
c	Structural steel fabri- cators	96	43	751	29,497	7,045	25,598	7,119
9	Containers	-	-	-	-	-	-	-
10	Machinery and tools	-	-	1,254	1,247	408	68	3,466
11	Wire, wire products and fasteners	1,055	-	37,624	27	330	64	8,666
12	Natural resources and extractive industries ..	417	1,089	-	222	12	1,706	10,291
13	Appliances and utensils ..	-	-	-	-	-	-	109
14	Other metal stamping and pressing	155	-	241	218	129	15,837	3,217
16	Railway operating	13	33,194	-	189	79	-	656
17	Railroad cars and loco- motives	3,242	-	-	852	21	-	463
18	Shipbuilding	67	-	-	316	-	-	105
19	Pipes and tubes	18,429	-	-	-	-	-	20
20	Miscellaneous	4,414	-	168	15	11	479	82
	Total domestic shipments	30,311	34,633	40,325	45,862	12,888	76,705	55,572
5a	Export - For conversion and return	-	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	708	405	3,862	4,048	1,629	81	9,440
ii	Other countries	2,805	-	2,209	-	-	6,545	664
	Total domestic and exports shipments ..	33,824	35,038	46,396	49,910	14,517	83,331	65,676
	Production (for sale only)	74,619	39,284	46,233	51,023	14,199	74,356	68,837
	Imports by producers (in- cluding conversion)	19,203	-	-	-	-	-	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
February 1970

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, cold rolled other, and coated	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
25	15,369	16,751	182	2,760	18,089	9,545	107,911	4a
3	1,158	2,430	177	-	1,959	-	9,252	b
-	890	25,197	2,679	1,233	14,134	2,143	57,806	6
-	1,203	4,143	123	967	2,081	317	12,279	7
31	1,710	5,898	382	59	4,964	23,592	46,367	8a
-	475	940	-	-	185	-	3,659	b
6	19,596	3,052	880	23	1,129	2,189	97,024	c
-	-	515	27	-	43,274	74	43,890	9
-	6,435	3,580	956	794	8,033	1,110	27,351	10
872	416	1,544	13	212	1,614	125	52,562	11
113	1,455	790	-	10	598	463	17,166	12
-	234	1,381	60	152	10,599	2,235	14,770	13
-	3,367	4,376	271	191	11,732	2,004	41,738	14
7,806	902	236	-	-	68	-	43,143	16
-	3,680	895	-	-	-	109	9,262	17
-	5,438	494	69	-	36	-	6,525	18
-	37,327	17,228	22,937	16	5,671	357	101,985	19
-	-	20	-	29	787	-	6,005	20
8,856	99,655	89,470	28,756	6,446	124,953	44,263	698,695	
-	-	-	-	-	864	-	864	5a
-	6,707	7,231	352	11	10,173	3,457	48,104	i
-	-	1,401	-	10	6,312	988	20,934	ii
8,856	106,362	98,102	29,108	6,467	142,302	48,708	768,597	
8,910	106,274	109,356	29,426	6,435	142,870	52,765	824,587	
-	-	6,612	-	-	2,646	-	28,461	

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Year to date

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres	21	181	45	19,447	6,214	35,907	18,395
b	Other warehouses	-	299	-	3,571	939	621	1,491
6	Automotive and aircraft industries	6,360	-	156	94	172	21	25,506
7	Agriculture	20	-	14	597	931	-	6,895
8a	Contractors - Building ...	13	-	840	1,706	83	11,478	1,429
b	Construction - Public and utility	-	-	-	203	-	3,710	226
c	Structural steel fabri- cators	638	87	1,078	55,853	11,841	34,343	13,924
9	Containers	-	-	-	-	-	-	-
10	Machinery and tools	-	-	3,088	1,643	553	68	6,482
11	Wire, wire products and fasteners	1,825	-	83,319	30	638	75	17,625
12	Natural resources and extractive industries ..	645	1,559	-	598	15	2,545	19,354
13	Appliances and utensils ..	-	-	-	-	20	-	138
14	Other metal stamping and pressing	321	183	684	319	310	24,989	6,256
16	Railway operating	26	55,028	-	256	150	-	1,372
17	Railroad cars and loco- motives	5,822	-	-	1,669	21	-	1,041
18	Shipbuilding	67	-	-	704	-	-	542
19	Pipes and tubes	36,482	-	264	-	(- 50)	444	23
20	Miscellaneous	8,833	-	168	15	11	717	175
	Total domestic shipments	61,073	57,337	89,656	86,705	21,848	114,918	120,874
5a	Export - For conversion and return	-	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	1,628	1,005	5,880	7,186	4,820	431	16,862
ii	Other countries	5,655	17,676	3,711	-	-	14,902	1,075
	Total domestic and exports shipments ..	68,356	76,018	99,247	93,891	26,668	130,251	138,811
	Production (for sale only)	158,140	71,465	99,062	102,176	30,454	118,305	149,021
	Imports by producers (in- cluding conversion)	25,525	-	-	-	-	-	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Year to date

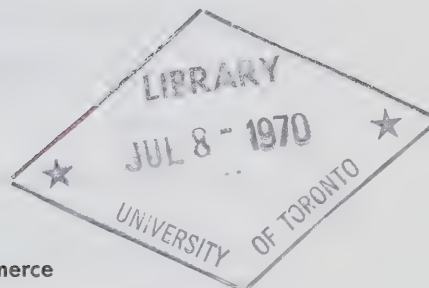
Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, cold rolled other, and coated	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
107	32,407	29,844	513	5,059	33,877	22,266	204,283	4a
45	3,379	4,418	254	-	3,687	-	18,704	b
-	1,319	68,265	6,256	2,640	32,598	3,941	147,328	6
-	3,397	8,036	327	1,995	3,740	485	26,437	7
39	3,316	9,229	1,048	104	9,607	47,216	86,108	8a
1	758	1,637	-	-	310	259	7,104	b
13	41,936	5,936	1,813	91	2,512	4,582	174,647	c
-	-	1,079	103	-	90,897	234	92,313	9
-	11,906	7,276	2,028	1,624	17,216	1,936	53,820	10
1,254	770	3,478	174	487	3,281	334	113,290	11
175	3,302	1,824	-	38	1,090	689	31,834	12
-	495	3,262	193	239	22,422	4,059	30,828	13
3	5,525	8,049	778	540	25,031	4,936	77,924	14
12,740	1,349	296	-	-	96	19	71,332	16
-	8,757	2,362	-	7	-	311	19,990	17
-	11,096	1,227	149	-	36	-	13,821	18
-	82,541	34,474	48,869	55	13,361	861	217,324	19
73	-	34	-	52	1,545	-	11,623	20
14,450	212,253	190,726	62,505	12,931	261,306	92,128	1,398,710	
-	-	-	-	-	5,439	-	5,439	5a
-	12,391	14,966	1,024	44	21,491	8,609	96,337	i
1	-	1,529	-	55	12,450	1,530	58,584	ii
14,451	224,644	207,221	63,529	13,030	300,686	102,267	1,559,070	
14,576	221,575	225,342	64,809	12,776	300,918	106,675	1,675,294	
-	-	14,169	-	-	6,484	-	46,178	



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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

.. figures not available.

... figures not appropriate or not applicable.

- nil or zero.

-- amount too small to be expressed.

P preliminary figures.

r revised figures.

x confidential to meet secrecy requirements
of the Statistics Act.

NOTE

The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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TABLE 1. Pig Iron Capacity, January 1, 1970

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces	14	9,005,000	1	150,000
Electric furnaces	11	575,000	-	-
Totals	25	9,580,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

	March 1970	Year to date
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines	31,042	70,393
From foreign mines	14,592	35,385
Pyrite cinder	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines	876,413	2,550,303
From foreign mines	141,958	373,101
From own processing	98,851	283,547
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.)	24,928	72,277
Scrap iron and steel	11,562	35,344
Limestone	72,785	206,285
Dolomite	38,911	115,847
Coke	410,978	1,178,114

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

	1969		1970	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>March</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	667,803	4,120	739,439	6,513
Foundry (including silvery pig)(2)	55,218	19,720	60,409	22,490
Malleable	45,809	15,143	15,363	11,493
Total pig iron	768,830	38,983	815,211	40,496
Ferro-alloys	17,506	20,062	19,017	22,542
Stocks of pig iron on hand at end of month	288,014		373,852	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 3A. Production and Shipments of Pig Iron and Ferro-alloys

	1969		1970	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>Year to date</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	1,900,278	13,683	2,110,308	16,868
Foundry (including silvery pig)(2)	162,546	60,051	173,850	47,450
Malleable	62,446	48,311	41,443	34,584
Total pig iron	2,125,270	122,045	2,325,601	98,902
Ferro-alloys	48,357	55,452	49,675	52,799

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Steel Furnace Capacity, January 1, 1970

	Annual capacity
	net tons of 2,000 pounds
Ingot - Basic open hearth	6,970,000
Electric	2,055,450
Basic oxygen furnace	3,800,000
Total ingots	12,825,450
Steel castings	415,925
Total ingots and castings	13,241,375

TABLE 5. Pig Iron and Scrap charged to Steel Furnaces

	March		Year to date	
	1969 ^r	1970	1969 ^r	1970
	net tons of 2,000 pounds			
Pig iron	662,656	713,842	1,869,350	2,044,081
Scrap - Own make	320,720	319,630	896,489	880,910
Purchased	181,882	202,936	558,594	604,651
Total pig iron and scrap	1,165,258	1,236,408	3,324,433	3,529,642

TABLE 6. Production and Shipments of Steel Ingots and Castings

	1969		1970	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>March</u>				
<u>Steel ingots (both carbon and alloy)</u> (including continuous cast steel)				
Basic open hearth	886,725	13,099	933,309	11,982
Electric	135,834 ^r	21,171	145,503	27,627
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	1,022,559 ^r	34,270	1,078,812	39,609
Continuous cast steel included in above	108,754 ^r	x	128,908	x
Alloy steel ingots included in above	86,834 ^r	x	74,342	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	-	-	-	-
Electric	13,398	14,316	15,718	15,575
Basic oxygen furnace	-	-	-	-
Total steel castings	13,398	14,316	15,718	15,575
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	615	369	893	530
Manganese and abrasion resistant	2,422	2,398	2,386	2,673
All other alloys	991	944	711	729
Total alloy castings	4,028	3,711	3,990	3,932

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

TABLE 6A. Production and Shipments of Steel Ingots and Castings

	1969		1970	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>Year to date</u>	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	2,514,959	36,683	2,672,033	40,035
Electric	394,129 ^r	68,337	422,861	79,423
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	2,909,088 ^r	105,020	3,094,894	119,458
Continuous cast steel included in above	312,777 ^r	x	359,443	x
Alloy steel ingots included in above	234,889 ^r	x	235,271	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	-	-	(3)	-
Electric	37,683	34,785	44,827	43,814
Basic oxygen furnace	-	-	-	-
Total steel castings	37,683	34,785	44,827	43,814
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	1,940	1,162	2,163	1,258
Manganese and abrasion resistant	6,261	6,532	6,808	7,221
All other alloys	2,610	2,590	2,216	2,476
Total alloy castings	10,811	10,284	11,187	10,955

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

TABLE 7. Disposition of Shipments(1) of Steel Castings

	March 1970		Year to date	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses	-	4	-	14
Export	1,757	507	4,534	1,024
Automotive and aircraft industries	539	-	1,458	-
Agricultural (including implement and equipment manufacturers)	108	23	355	78
Construction (including public works, public utilities and structural steel fabricators) ...	97	268	261	848
Machinery and tools	1,615	569	5,469	1,395
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.)	919	1,639	2,597	4,766
Railway operating	4,577	393	10,950	937
Railroad cars and locomotives	1,715	197	6,453	920
Shipbuilding	72	4	146	19
Miscellaneous (including grinding balls and railway car wheels)	244	328	636	954
Totals	11,643	3,932	32,859	10,955

(1) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request. Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		Total steel
			Ingots	Castings	
			net tons of 2,000 pounds		
<u>1969</u>					
January	708,626	14,822	986,844	11,731	998,575
February	647,814	16,029	899,685	12,554	912,239
March	768,830	17,506	1,022,559	13,398	1,035,957
April	774,949	17,889	1,012,947	14,239	1,027,186
May	782,891	15,862	1,013,833	15,033	1,028,866
June	726,491	18,453	974,843	13,888	988,731
July	732,290	15,152	942,868	10,659	953,527
August	286,697	16,564	387,527	10,628	398,155
September	295,861	19,750	408,395	12,527	420,922
October	357,217	15,033	529,862	12,750	542,612
November	645,936	16,674	948,236	12,684	960,920
December	733,617	20,570	1,024,247	14,615	1,038,862
Totals	7,461,219	204,304	10,151,846	154,706	10,306,552
<u>1970</u>					
January	788,315	15,124	1,042,829	14,136	1,056,965
February	722,075	15,534	973,253	14,973	988,226
March	815,211	19,017	1,078,812	15,718	1,094,530
April					
May					
June					
July					
August					
September					
October					
November					
December					
Totals					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

	1969		1970	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>March</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	28,493	25,513	28,252	23,496
Over 4 1/2" outside diameter (excluding tubing and casing)	58,046	57,105	56,091	44,772
Mechanical and pressure tubing, casing and oil well tubing	23,576	21,925	23,422	26,087
Totals	110,115	104,543	107,765	94,355
<u>Steel pipe fittings</u>				
Buttwelding fittings	86	99	78	115
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	541	628	586	662
Totals	627	727	664	777

(1) Included with "Other".

TABLE 9A. Production and Shipments of Steel Pipe, Tubing and Fittings

	1969		1970	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Year to date</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	73,922	66,745	82,738	67,024
Over 4 1/2" outside diameter (excluding tubing and casing)	129,875	131,810	135,023	118,824
Mechanical and pressure tubing, casing and oil well tubing	65,752	65,368	71,035	66,867
Totals	269,549	263,923	288,796	252,715
<u>Steel pipe fittings</u>				
Buttwelding fittings	281	327	217	308
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	1,742	1,826	1,823	1,979
Totals	2,023	2,153	2,040	2,287

(1) Included with "Other".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
			net tons of 2,000	pounds	
<u>March 1970</u>					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	50,279	17,175	40,179	33,690	6,489
For forging and piercing	34,599	-	31,198	...	31,198
Rails	38,300	-	37,936	...	37,936
Wire rods	43,054	-	42,141	436	41,705
Structural shapes:					
Heavy	62,417	-	62,908	...	62,908
Bar-sized shapes	8,655	-	10,364	...	10,364
Concrete reinforcing bars	47,953	-	48,263	373	47,890
Other hot rolled bars:					
Flats	7,674	-	12,441	) 1,745	51,701
Other	49,285	-	41,005		
Tie plates and track material:					
Angle bars	1,368	-	1,394	...	1,394
Tie plates	5,986	-	7,044	...	7,044
Track spikes	1,475	-	1,432	...	1,432
Plates (including plates for pipes and tubes)	102,350	-	108,493	...	108,493
Hot rolled sheets	94,970	3,864	100,147	7,960	92,187
Hot rolled strip	28,226	-	27,777	92	27,685
Total hot rolled products ...	576,591	21,039	572,722	44,296	528,426
<u>Cold rolled and coated</u>					
Cold finished bars	5,688	-	6,205	...	6,205
Cold reduced sheets and strip, cold rolled other, and coated	155,690	-	174,209	4,558	169,651
Galvanized sheets	60,622	-	55,112	182	54,930
Total cold rolled and coated ..	222,000	-	235,526	4,740	230,786
Total carbon steel	798,591	21,039	808,248	49,036	759,212
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	2,649	-	2,649	...	2,649
Alloy plates	8,878	-	8,878	...	8,878
Other hot rolled bars including structurals	17,750	-	18,044	115	17,929
Cold finished bars	631	-	662	...	662
Wire rods	1,031	-	1,031	...	1,031
Hot and cold rolled sheets and strip, cold rolled other	7,498	2,865	9,544	...	9,544
Total alloy steel	38,437	2,865	40,808	115	40,693

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1) net tons of 2,000	Shipments for further processing(1) pounds	Net shipments
<u>Year to date</u>					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	145,575	42,700	132,704	120,560	12,144
For forging and piercing	81,292	-	77,748	...	77,748
Rails	109,765	-	113,954	...	113,954
Wire rods	141,168	-	141,577	1,573	140,004
Structural shapes:					
Heavy	164,593	-	156,799	...	156,799
Bar-sized shapes	39,109	-	37,032	...	37,032
Concrete reinforcing bars	166,258	-	179,054	913	178,141
Other hot rolled bars:					
Flats	20,126	-	38,373	) 7,710	157,427
Other	152,456	-	126,764)	
Tie plates and track material:					
Angle bars	3,197	-	3,109	...	3,109
Tie plates	16,506	-	17,533	...	17,533
Track spikes	3,702	-	3,679	...	3,679
Plates (including plates for pipes and tubes)	306,407	-	315,645	26	315,619
Hot rolled sheets	316,885	18,033	312,855	16,874	295,981
Hot rolled strip	93,035	-	91,412	198	91,214
Total hot rolled products ...	1,760,074	60,733	1,748,238	147,854	1,600,384
<u>Cold rolled and coated</u>					
Cold finished bars	17,044	-	17,835	...	17,835
Cold reduced sheets and strip, cold rolled other, and coated	444,153	-	468,376	17,624	450,752
Galvanized sheets	167,297	-	157,827	630	157,197
Total cold rolled and coated ..	628,494	-	644,038	18,254	625,784
Total carbon steel	2,388,568	60,733	2,392,276	166,108	2,226,168
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	18,800	-	18,800	...	18,800
Alloy plates	26,396	-	26,396	...	26,396
Other hot rolled bars including structurals	51,148	-	51,321	307	51,014
Cold finished bars	2,051	-	2,062	...	2,062
Wire rods	1,979	-	1,979	...	1,979
Hot and cold rolled sheets and strip, cold rolled other	23,380	9,349	32,556	...	32,556
Total alloy steel	123,754	9,349	133,114	307	132,807

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		March 1970		Year to date	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres	104,813	2,766	303,063	8,799
b	Other warehouses	9,972	44	28,617	103
6	Automotive and aircraft industries	45,203	10,868	174,932	28,467
7	Agricultural	12,153	548	37,614	1,524
8a	Contractors - Building	45,408	1	131,216	301
b	Construction - Public and utility ..	2,987	-	10,091	-
c	Structural steel fabricators	85,898	1,576	255,582	6,539
9	Containers	75,804	23	168,087	53
10	Machinery and tools	24,017	4,115	70,855	11,097
11	Wire, wire products and fasteners ..	46,449	2,494	153,914	8,319
12	Natural resources and extractive industries	16,212	1,858	43,766	6,138
13	Appliances and utensils	15,166	87	45,551	530
14	Other metal stamping and pressing ..	35,704	2,611	108,903	7,336
16	Railway operating	44,448	169	115,516	433
17	Railroad cars and locomotives	5,584	3,093	22,572	6,095
18	Shipbuilding	7,277	85	18,903	2,280
19	Pipes and tubes	101,822	472	305,965	13,653
20	Miscellaneous	8,622	106	19,948	403
	Total domestic shipments	687,539	30,916	2,015,095	102,070
5a	Export - For conversion and return	-	948	-	6,387
b	Other export (for final sale)				
i	USA	44,183	6,436	128,411	18,545
ii	Other countries	27,490	2,393	82,662	5,805
	Total domestic and export shipments	759,212	40,693	2,226,168	132,807
	Production, (for sale only)	798,591	38,437	2,388,568	123,754
	Imports by producers (including conversion)	21,039	2,865	60,733	9,349

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
March 1970

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres	27	243	12	10,796	2,464	11,792	10,803
b	Other warehouses	-	282	-	2,850	502	98	691
6	Automotive and aircraft industries	3,051	-	87	89	54	-	13,787
7	Agriculture	-	-	19	534	316	-	3,144
8a	Contractors - Building ...	-	20	-	592	103	6,302	256
b	Construction - Public and utility	-	-	-	535	-	1,248	173
c	Structural steel fabri- cators	-	130	934	37,523	3,738	10,578	7,090
9	Containers	-	-	-	-	-	-	4
10	Machinery and tools	-	-	1,321	1,332	220	62	3,458
11	Wire, wire products and fasteners	572	-	33,803	10	528	43	8,759
12	Natural resources and extractive industries ..	593	2,214	-	757	34	1,168	9,462
13	Appliances and utensils ..	-	-	-	-	-	-	26
14	Other metal stamping and pressing	539	117	153	203	394	7,838	3,360
16	Railway operating	-	33,854	-	311	93	-	590
17	Railroad cars and loco- motives	2,252	-	-	535	27	-	369
18	Shipbuilding	-	-	-	173	12	-	103
19	Pipes and tubes	18,581	-	119	-	-	373	-
20	Miscellaneous	6,908	-	189	45	60	182	114
	Total domestic shipments	32,523	36,860	36,637	56,285	8,545	39,684	62,189
5a	Export - For conversion and return	-	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	2,149	1,076	2,239	6,623	1,819	35	6,722
ii	Other countries	5,664	-	3,860	-	-	8,171	719
	Total domestic and exports shipments ..	40,336	37,936	42,736	62,908	10,364	47,890	69,630
	Production (for sale only)	87,527	38,300	44,085	62,417	8,655	47,953	74,709
	Imports by producers (in- cluding conversion)	17,175	-	-	-	-	-	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
March 1970

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, cold rolled other and coated	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
66	20,493	17,642	291	2,794	15,862	14,294	107,579	4a
6	2,466	1,524	178	-	1,419	-	10,016	b
-	877	20,136	2,221	1,326	12,287	2,156	56,071	6
-	1,468	3,685	109	917	2,260	249	12,701	7
14	1,587	6,031	639	23	5,434	24,408	45,409	8a
-	47	750	-	-	229	5	2,987	b
8	20,059	3,421	490	128	1,170	2,205	87,474	c
-	-	284	103	-	75,386	50	75,827	9
-	5,115	3,573	1,068	987	9,923	1,073	28,132	10
652	381	1,867	37	202	1,963	126	48,943	11
362	1,712	628	-	14	545	581	18,070	12
-	562	2,951	138	70	9,303	2,203	15,253	13
10	2,845	6,288	434	246	13,792	2,096	38,315	14
8,738	906	68	-	-	21	36	44,617	16
-	4,946	548	-	-	-	-	8,677	17
-	6,262	762	46	4	-	-	7,362	18
-	39,135	16,349	21,756	21	5,535	425	102,294	19
-	54	-	-	19	1,157	-	8,728	20
9,856	108,915	86,507	27,510	6,751	156,286	49,907	718,455	
-	-	-	-	-	948	-	948	5a
-	-	-	-	-	-	-	-	b
-	8,456	6,022	175	116	10,422	4,765	50,619	i
14	-	120	-	-	11,077	258	29,883	ii
9,870	117,371	92,649	27,685	6,867	178,733	54,930	799,905	
8,829	111,228	95,432	28,226	6,319	162,726	60,622	837,028	
-	-	3,864	-	-	2,865	-	23,904	

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Year to date

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres	48	424	57	30,243	8,678	47,699	29,198
b	Other warehouses	-	581	-	6,421	1,441	719	2,182
6	Automotive and aircraft industries	9,411	-	243	183	226	21	39,293
7	Agriculture	20	-	33	1,131	1,247	-	10,039
8a	Contractors - Building ...	13	20	840	2,298	186	17,780	1,685
b	Construction - Public and utility	-	-	-	738	-	4,958	399
c	Structural steel fabri- cators	638	217	2,012	93,376	15,579	44,921	21,014
9	Containers	-	-	-	-	-	-	4
10	Machinery and tools	-	-	4,409	2,975	773	130	9,940
11	Wire, wire products and fasteners	2,397	-	117,122	40	1,166	118	26,384
12	Natural resources and extractive industries ..	1,238	3,773	-	1,355	49	3,713	28,816
13	Appliances and utensils ..	-	-	-	-	20	-	164
14	Other metal stamping and pressing	860	300	837	522	704	32,827	9,616
16	Railway operating	26	88,882	-	567	243	-	1,962
17	Railroad cars and loco- motives	8,074	-	-	2,204	48	-	1,410
18	Shipbuilding	67	-	-	877	12	-	645
19	Pipes and tubes	55,063	-	383	-	(- 50)	817	23
20	Miscellaneous	15,741	-	357	60	71	899	289
Total domestic shipments		93,596	94,197	126,293	142,990	30,393	154,602	183,063
5a	Export - For conversion and return	-	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	3,777	2,081	8,119	13,809	6,639	466	23,584
ii	Other countries	11,319	17,676	7,571	-	-	23,073	1,794
Total domestic and exports shipments ..		108,692	113,954	141,983	156,799	37,032	178,141	208,441
Production (for sale only)		245,667	109,765	143,147	164,593	39,109	166,258	223,730
Imports by producers (in- cluding conversion)		42,700	-	-	-	-	-	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Year to date

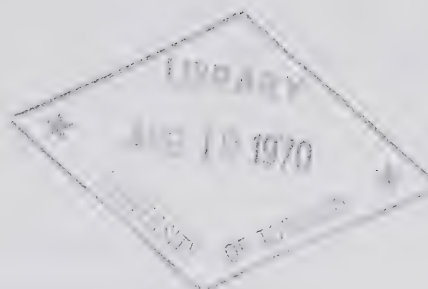
Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, cold rolled other and coated	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
173	52,900	47,486	804	7,853	49,739	36,560	311,862	4a
51	5,845	5,942	432	-	5,106	-	28,720	b
-	2,196	88,401	8,477	3,966	44,885	6,097	203,399	6
-	4,865	11,721	436	2,912	6,000	734	39,138	7
53	4,903	15,260	1,687	127	15,041	71,624	131,517	8a
1	805	2,387	-	-	539	264	10,091	b
21	61,995	9,357	2,303	219	3,682	6,787	262,121	c
-	-	1,363	206	-	166,283	284	168,140	9
-	17,021	10,849	3,096	2,611	27,139	3,009	81,952	10
1,906	1,151	5,345	211	689	5,244	460	162,233	11
537	5,014	2,452	-	52	1,635	1,270	49,904	12
-	1,057	6,213	331	309	31,725	6,262	46,081	13
13	8,370	14,337	1,212	786	38,823	7,032	116,239	14
21,478	2,255	364	-	-	117	55	115,949	16
-	13,703	2,910	-	7	-	311	28,667	17
-	17,358	1,989	195	4	36	-	21,183	18
-	121,676	50,823	70,625	76	18,896	1,286	319,618	19
73	54	34	-	71	2,702	-	20,351	20
24,306	321,168	277,233	90,015	19,682	417,592	142,035	2,117,165	
-	-	-	-	-	6,387	-	6,387	5a
-	20,847	20,988	1,199	160	31,913	13,374	146,956	b
15	-	1,649	-	55	23,527	1,788	88,467	i
24,321	342,015	299,870	91,214	19,897	479,419	157,197	2,358,975	ii
23,405	332,803	320,774	93,035	19,095	463,644	167,297	2,512,322	
-	-	18,033	-	-	9,349	-	70,082	

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P preliminary figures.

r revised figures.

x confidential to meet secrecy requirements
of the Statistics Act.

NOTE

The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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TABLE 1. Pig Iron Capacity, January 1, 1970

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces	14	9,005,000	1	150,000
Electric furnaces	11	575,000	-	-
Totals	25	9,580,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

	April 1970	Year to date
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines	9,027	79,420
From foreign mines	46,757	82,142
Pyrite cinder	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines	778,381	3,328,684
From foreign mines	188,016	561,117
From own processing	103,155	386,702
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.)	24,621	96,898
Scrap iron and steel	11,801	47,145
Limestone	72,239	278,524
Dolomite	37,168	153,015
Coke	389,351	1,567,465

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

	1969		1970	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>April</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	672,517	3,570	727,438	6,829
Foundry (including silvery pig) (2)	51,244	49,428	55,636	65,196
Malleable	51,188	31,009	-	12,995
Total pig iron	774,949	84,007	783,074	85,020
Ferro-alloys	17,889	18,484	16,645	17,647
Stocks of pig iron on hand at end of month	303,545		374,884	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 3A. Production and Shipments of Pig Iron and Ferro-alloys

	1969		1970	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>Year to date</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	2,572,795	17,253	2,837,746	23,697
Foundry (including silvery pig) (2)	213,790	109,479	229,486	112,646
Malleable	113,634	79,320	41,443	47,579
Total pig iron	2,900,219	206,052	3,108,675	183,922
Ferro-alloys	66,246	73,936	66,320	70,446

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Steel Furnace Capacity, January 1, 1970

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth	6,970,000
Electric	2,055,450
Basic oxygen furnace	3,800,000
Total ingots	12,825,450
Steel castings	415,925
Total ingots and castings	13,241,375

TABLE 5. Pig Iron and Scrap charged to Steel Furnaces

	April		Year to date	
	1969 ^r	1970	1969 ^r	1970
	net tons of 2,000 pounds			
Pig iron	670,205	692,347	2,539,555	2,736,428
Scrap - Own make	312,021	309,068	1,208,510	1,189,978
Purchased	177,090	188,913	735,684	793,564
Total pig iron and scrap	1,159,316	1,190,328	4,483,749	4,719,970

TABLE 6. Production and Shipments of Steel Ingots and Castings

	1969		1970	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>April</u>				
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth	878,587	20,236	898,761	8,234
Electric	134,360 ^r	20,999	138,470	20,758
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	1,012,947 ^r	41,235	1,037,231	28,992
Continuous cast steel included in above	109,882 ^r	x	122,354	x
Alloy steel ingots included in above	83,078 ^r	x	84,277	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	-	-	-	-
Electric	14,239	14,497	16,911	16,376
Basic oxygen furnace	-	-	-	-
Total steel castings	14,239	14,497	16,911	16,376
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	670	459	699	469
Manganese and abrasion resistant	2,027	2,320	2,515	2,491
All other alloys	922	884	726	706
Total alloy castings	3,619	3,663	3,940	3,666

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

TABLE 6A. Production and Shipments of Steel Ingots and Castings

	1969		1970	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>Year to date</u>	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	3,393,546	56,919	3,570,794	48,269
Electric	528,489 ^r	89,336	561,331	100,181
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	3,922,035 ^r	146,255	4,132,125	148,450
Continuous cast steel included in above	422,659 ^r	x	481,797	x
Alloy steel ingots included in above	317,967 ^r	x	319,548	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	-	-	(3)	-
Electric	51,922	49,282	61,738	60,190
Basic oxygen furnace	-	-	-	-
Total steel castings	51,922	49,282	61,738	60,190
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	2,610	1,621	2,862	1,727
Manganese and abrasion resistant	8,288	8,852	9,323	9,712
All other alloys	3,532	3,474	2,942	3,182
Total alloy castings	14,430	13,947	15,127	14,621

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

TABLE 7. Disposition of Shipments(1) of Steel Castings

	April 1970		Year to date	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses	-	5	-	19
Export	1,644	270	6,178	1,294
Automotive and aircraft industries	721	-	2,179	-
Agricultural (including implement and equipment manufacturers)	55	23	410	101
Construction (including public works, public utilities and structural steel fabricators) ...	280	341	541	1,189
Machinery and tools	1,890	563	7,359	1,958
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.)	1,000	1,745	3,597	6,511
Railway operating	4,447	325	15,397	1,262
Railroad cars and locomotives	2,410	81	8,863	1,001
Shipbuilding	64	5	210	24
Miscellaneous (including grinding balls and railway car wheels)	199	308	835	1,262
Totals	12,710	3,666	45,569	14,621

(1) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request. Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
			net tons of 2,000 pounds		
<u>1969</u>					
January	708,626	14,822	986,844	11,731	998,575
February	647,814	16,029	899,685	12,554	912,239
March	768,830	17,506	1,022,559	13,398	1,035,957
April	774,949	17,889	1,012,947	14,239	1,027,186
May	782,891	15,862	1,013,833	15,033	1,028,866
June	726,491	18,453	974,843	13,888	988,731
July	732,290	15,152	942,868	10,659	953,527
August	286,697	16,564	387,527	10,628	398,155
September	295,861	19,750	408,395	12,527	420,922
October	357,217	15,033	529,862	12,750	542,612
November	645,936	16,674	948,236	12,684	960,920
December	733,617	20,570	1,024,247	14,615	1,038,862
Totals	7,461,219	204,304	10,151,846	154,706	10,306,552
<u>1970</u>					
January	788,315	15,124	1,042,829	14,136	1,056,965
February	722,075	15,534	973,253	14,973	988,226
March	815,211	19,017	1,078,812	15,718	1,094,530
April	783,074	16,645	1,037,231	16,911	1,054,142
May					
June					
July					
August					
September					
October					
November					
December					
Totals					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

	1969		1970	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>April</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	23,809	23,164	30,026	22,176
Over 4 1/2" outside diameter (excluding tubing and casing)	49,898	42,622	56,777	57,289
Mechanical and pressure tubing, casing and oil well tubing	20,031	20,481	20,618	19,170
Totals	93,738	86,267	107,421	98,635
<u>Steel pipe fittings</u>				
Buttwelding fittings	176	87	123	199
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	673	660	604	760
Totals	849	747	727	959

(1) Included with "Other".

TABLE 9A. Production and Shipments of Steel Pipe, Tubing and Fittings

	1969		1970	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Year to date</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	97,731	89,909	112,764	89,200
Over 4 1/2" outside diameter (excluding tubing and casing)	179,773	174,432	191,800	176,113
Mechanical and pressure tubing, casing and oil well tubing	85,783	85,849	91,653	86,037
Totals	363,287	350,190	396,217	351,350
<u>Steel pipe fittings</u>				
Buttwelding fittings	457	414	340	507
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	2,415	2,486	2,427	2,739
Totals	2,872	2,900	2,767	3,246

(1) Included with "Other".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
			net tons of 2,000 pounds		
<u>April 1970</u>					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	55,052	12,702	38,348	22,255	16,093
For forging and piercing	33,256	-	27,329	...	27,329
Rails	33,815	-	30,502	...	30,502
Wire rods	43,104	-	45,661	177	45,484
Structural shapes:					
Heavy	52,826	-	52,324	...	52,324
Bar-sized shapes	10,810	-	8,361	...	8,361
Concrete reinforcing bars	74,131	-	58,884	...	58,884
Other hot rolled bars:					
Flats	2,133	-	4,875	) 1,237	57,771
Other	53,869	-	54,133		
Tie plates and track material:					
Angle bars	1,105	-	1,073	...	1,073
Tie plates	8,672	-	9,486	...	9,486
Track spikes	821	-	855	...	855
Plates (including plates for pipes and tubes)	107,198	-	106,816	...	106,816
Hot rolled sheets	91,934	154	102,625	2,851	99,774
Hot rolled strip	26,841	-	26,570	68	26,502
Total hot rolled products ...	595,567	12,856	567,842	26,588	541,254
<u>Cold rolled and coated</u>					
Cold finished bars	5,743	-	5,920	...	5,920
Cold reduced sheets and strip, cold rolled other and coated	143,720	-	131,581	2,651	128,930
Galvanized sheets	59,891	-	60,896	398	60,498
Total cold rolled and coated ..	209,354	-	198,397	3,049	195,348
Total carbon steel	804,921	12,856	766,239	29,637	736,602
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	3,221	-	3,221	...	3,221
Alloy plates	11,648	-	11,648	...	11,648
Other hot rolled bars including structurals	17,794	-	17,830	72	17,758
Cold finished bars	636	-	564	...	564
Wire rods	319	-	319	...	319
Hot and cold rolled sheets and strip, cold rolled other	7,883	1,377	10,706	...	10,706
Total alloy steel	41,501	1,377	44,288	72	44,216

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1) net tons of 2,000	Shipments for further processing(1) pounds	Net shipments
<u>Year to date</u>					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	200,627	55,402	171,052	142,815	28,237
For forging and piercing	114,548	-	105,077	...	105,077
Rails	143,580	-	144,456	...	144,456
Wire rods	184,272	-	187,238	1,750	185,488
Structural shapes:					
Heavy	217,419	-	209,123	...	209,123
Bar-sized shapes	49,919	-	45,393	...	45,393
Concrete reinforcing bars	240,389	-	237,938	913	237,025
Other hot rolled bars:					
Flats	22,259	-	43,248	) 8,947	215,198
Other	206,325	-	180,897)	
Tie plates and track material:					
Angle bars	4,302	-	4,182	...	4,182
Tie plates	25,178	-	27,019	...	27,019
Track spikes	4,523	-	4,534	...	4,534
Plates (including plates for pipes and tubes)	413,605	-	422,461	26	422,435
Hot rolled sheets	408,819	18,187	415,480	19,725	395,755
Hot rolled strip	119,876	-	117,982	266	117,716
Total hot rolled products ...	2,355,641	73,589	2,316,080	174,442	2,141,638
<u>Cold rolled and coated</u>					
Cold finished bars	22,787	-	23,755	...	23,755
Cold reduced sheets and strip, cold rolled other, and coated	587,873	-	599,957	20,275	579,682
Galvanized sheets	227,188	-	218,723	1,028	217,695
Total cold rolled and coated ..	837,848	-	842,435	21,303	821,132
Total carbon steel	3,193,489	73,589	3,158,515	195,745	2,962,770
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	22,021	-	22,021	...	22,021
Alloy plates	38,044	-	38,044	...	38,044
Other hot rolled bars including structurals	68,942	-	69,151	379	68,772
Cold finished bars	2,687	-	2,626	...	2,626
Wire rods	2,298	-	2,298	...	2,298
Hot and cold rolled sheets and strip, cold rolled other	31,263	10,726	43,262	...	43,262
Total alloy steel	165,255	10,726	177,402	379	177,023

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		April 1970		Year to date	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres	101,183	2,917	404,246	11,716
b	Other warehouses	9,900	1	38,517	104
6	Automotive and aircraft industries	54,486	11,932	229,418	40,399
7	Agricultural	13,173	378	50,787	1,902
8a	Contractors - Building	48,242	1,307	179,458	1,608
b	Construction - Public and utility ..	3,662	-	13,753	-
c	Structural steel fabricators	83,191	854	338,773	7,393
9	Containers	36,858	9	204,945	62
10	Machinery and tools	27,944	4,809	98,799	15,906
11	Wire, wire products and fasteners ..	48,613	2,334	202,527	10,653
12	Natural resources and extractive industries	16,730	430	60,496	6,568
13	Appliances and utensils	12,828	273	58,379	803
14	Other metal stamping and pressing ..	36,557	2,086	145,460	9,422
16	Railway operating	39,456	61	154,972	494
17	Railroad cars and locomotives	6,900	3,568	29,472	9,663
18	Shipbuilding	4,844	1,908	23,747	4,188
19	Pipes and tubes	95,103	1,747	401,068	15,400
20	Miscellaneous	4,295	374	24,243	777
	Total domestic shipments	643,965	34,988	2,659,060	137,058
5a	Export - For conversion and return	-	1,523	-	7,910
b	<u>Other export (for final sale)</u>				
i	USA	50,474	5,777	178,885	24,322
ii	Other countries	42,163	1,928	124,825	7,733
	Total domestic and export shipments	736,602	44,216	2,962,770	177,023
	Production, (for sale only)	804,921	41,501	3,193,489	165,255
	Imports by producers (including conversion)	12,856	1,377	73,589	10,726

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
April 1970

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres	-	533	44	9,287	2,532	13,865	12,089
b	Other warehouses	-	253	-	1,930	411	144	860
6	Automotive and aircraft industries	3,025	-	16	81	24	-	14,329
7	Agriculture	-	-	26	416	457	-	2,750
8a	Contractors - Building ...	-	-	33	177	1	8,339	599
b	Construction - Public and utility	-	-	-	297	-	1,490	85
c	Structural steel fabri- cators	38	186	336	31,004	2,574	14,028	7,476
9	Containers	-	-	-	-	-	-	18
10	Machinery and tools	-	-	2,316	1,594	256	21	4,125
11	Wire, wire products and fasteners	881	-	36,786	11	464	31	8,649
12	Natural resources and extractive industries ..	407	876	-	1,710	20	1,770	8,200
13	Appliances and utensils ..	-	-	-	80	55	-	62
14	Other metal stamping and pressing	371	-	197	356	222	8,698	3,438
16	Railway operating	12	25,620	-	199	10	-	1,016
17	Railroad cars and loco- motives	2,681	-	-	545	21	-	600
18	Shipbuilding	-	-	-	208	18	-	239
19	Pipes and tubes	19,667	-	49	-	-	-	-
20	Miscellaneous	2,359	-	57	-	18	608	351
	Total domestic shipments	29,441	27,468	39,860	47,895	7,083	48,994	64,886
5a	Export - For conversion and return	-	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	3,304	911	1,185	4,429	1,278	1,313	6,272
ii	Other countries	13,898	2,123	4,758	-	-	8,577	4,371
	Total domestic and exports shipments ..	46,643	30,502	45,803	52,324	8,361	58,884	75,529
	Production (for sale only)	91,529	33,815	43,423	52,826	10,810	74,131	73,796
	Imports by producers (in- cluding conversion)	12,702	-	-	-	-	-	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
April 1970

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, cold rolled other and coated	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
84	19,218	14,836	224,	2,632	15,767	12,989	104,100	4a
48	2,430	2,719	138	-	968	-	9,901	b
-	839	29,971	1,303	1,509	13,447	1,874	66,418	6
-	1,098	3,942	97	704	3,874	187	13,551	7
-	2,783	4,890	1,701	48	5,332	25,646	49,549	8a
4	284	1,071	-	-	285	146	3,662	b
16	20,662	3,843	740	36	500	2,606	84,045	c
-	-	490	39	-	36,218	102	36,867	9
-	6,520	4,946	701	873	9,590	1,811	32,753	10
48	407	1,745	89	130	1,536	170	50,947	11
107	1,914	728	-	41	612	775	17,160	12
-	524	2,289	26	67	7,435	2,563	13,101	13
7	2,574	5,905	373	278	12,945	3,279	38,643	14
10,930	1,383	289	-	-	18	40	39,517	16
-	5,639	976	-	6	-	-	10,468	17
-	5,373	904	-	10	-	-	6,752	18
-	38,960	11,899	20,536	33	5,020	686	96,850	19
-	4	7	-	89	1,106	70	4,669	20
11,244	110,612	91,450	25,967	6,456	114,653	52,944	678,953	
-	-	-	-	-	1,523	-	1,523	5a
-	-	-	-	-	-	-	-	b
161	7,852	9,024	535	26	13,757	6,204	56,251	i
9	-	-	-	2	9,003	1,350	44,091	ii
11,414	118,464	100,474	26,502	6,484	138,936	60,498	780,818	
10,598	118,846	92,634	26,841	6,379	150,903	59,891	846,422	
-	-	154	-	-	1,377	-	14,233	

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Year to date

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres	48	957	101	39,530	11,210	61,564	41,287
b	Other warehouses	-	834	-	8,351	1,852	863	3,042
6	Automotive and aircraft industries	12,436	-	259	264	250	21	53,622
7	Agriculture	20	-	59	1,547	1,704	-	12,789
8a	Contractors - Building ...	13	20	873	2,475	187	26,119	2,284
b	Construction - Public and utility	-	-	-	1,035	-	6,448	484
c	Structural steel fabri- cators	676	403	2,348	124,380	13,153	58,949	28,490
9	Containers	-	-	-	-	-	-	22
10	Machinery and tools	-	-	6,725	4,569	1,029	151	14,065
11	Wire, wire products and fasteners	3,278	-	153,908	51	1,630	149	35,033
12	Natural resources and extractive industries ..	1,645	4,649	-	3,065	69	5,483	37,016
13	Appliances and utensils ..	-	-	-	80	75	-	226
14	Other metal stamping and pressing	1,231	300	1,034	878	926	41,525	13,054
16	Railway operating	38	114,502	-	766	253	-	2,978
17	Railroad cars and loco- motives	10,755	-	-	2,749	69	-	2,010
18	Shipbuilding	67	-	-	1,085	30	-	884
19	Pipes and tubes	74,730	-	432	-	(- 50)	817	23
20	Miscellaneous	18,100	-	414	60	89	1,507	640
	Total domestic shipments	123,037	121,665	166,153	190,885	37,476	203,596	247,949
5a	Export - For conversion and return	-	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	7,081	2,992	9,304	18,238	7,917	1,779	29,856
ii	Other countries	25,217	19,799	12,329	-	-	31,650	6,165
	Total domestic and exports shipments ..	155,335	144,456	187,786	209,123	45,393	237,025	283,970
	Production (for sale only)	337,196	143,580	186,570	217,419	49,919	240,389	297,526
	Imports by producers (in- cluding conversion)	55,402	-	-	-	-	-	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Year to date

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, cold rolled other, and coated	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
257	72,118	62,322	1,028	10,485	65,506	49,549	415,962	4a
99	8,275	8,661	570	-	6,074	-	38,621	b
-	3,035	118,372	9,780	5,475	58,332	7,971	269,817	6
-	5,963	15,663	533	3,616	9,874	921	52,689	7
53	7,686	20,150	3,388	175	20,373	97,270	181,066	8a
5	1,089	3,458	-	-	824	410	13,753	b
37	82,657	13,200	3,043	255	4,182	9,393	346,166	c
-	-	1,853	245	-	202,501	386	205,007	9
-	23,541	15,795	3,797	3,484	36,729	4,820	114,705	10
1,954	1,558	7,090	300	819	6,780	630	213,180	11
644	6,928	3,180	-	93	2,247	2,045	67,064	12
-	1,581	8,502	357	376	39,160	8,825	59,182	13
20	10,944	20,242	1,585	1,064	51,768	10,311	154,882	14
32,408	3,638	653	-	-	135	95	155,466	16
-	19,342	3,886	-	13	-	311	39,135	17
-	22,731	2,893	195	14	36	-	27,935	18
-	160,636	62,722	91,161	109	23,916	1,972	416,468	19
73	58	41	-	160	3,808	70	25,020	20
35,550	431,780	368,683	115,982	26,138	532,245	194,979	2,796,118	
-	-	-	-	-	7,910	-	7,910	5a
								b
161	28,699	30,012	1,734	186	45,670	19,578	203,207	i
24	-	1,649	-	57	32,530	3,138	132,558	ii
35,735	460,479	400,344	117,716	26,381	618,355	217,695	3,139,793	
34,003	451,649	413,408	119,876	25,474	614,547	227,188	3,358,744	
-	-	18,187	-	-	10,726	-	84,315	

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The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
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- amount too small to be expressed.
- P preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

NOTE

The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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TABLE 1. Pig Iron Capacity, January 1, 1970

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces	14	9,005,000	1	150,000
Electric furnaces	11	575,000	-	-
Totals	25	9,580,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

	May 1970	Year to date
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines	10,139	89,559
From foreign mines	45,263	127,405
Pyrite cinder	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines	886,923	4,215,607
From foreign mines	142,153	703,270
From own processing	98,079	484,781
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.)	22,666	119,564
Scrap iron and steel	15,662	62,807
Limestone	76,022	354,546
Dolomite	42,094	195,109
Coke	404,600	1,972,065

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

	1969		1970	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>May</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	677,130	2,621	756,223	15,167
Foundry (including silvery pig)(2)	52,712	71,091	59,275	80,618
Malleable	53,049	15,509	-	16,195
Total pig iron	782,891	89,221	815,498	111,980
Ferro-alloys	15,862	16,918	15,627	16,494
Stocks of pig iron on hand at end of month	320,300		349,735	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 3A. Production and Shipments of Pig Iron and Ferro-alloys

	1969		1970	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>Year to date</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	3,249,925	19,874	3,593,969	38,864
Foundry (including silvery pig)(2)	266,502	180,570	288,761	193,264
Malleable	166,683	94,829	41,443	63,774
Total pig iron	3,683,110	295,273	3,924,173	295,902
Ferro-alloys	82,108	90,854	81,947	86,940

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Steel Furnace Capacity, January 1, 1970

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth	6,970,000
Electric	2,055,450
Basic oxygen furnace	3,800,000
Total ingots	12,825,450
Steel castings	415,925
Total ingots and castings	13,241,375

TABLE 5. Pig Iron and Scrap charged to Steel Furnaces

	May 1970		Year to date	
	1969r	1970	1969	1970
	net tons of 2,000 pounds			
Pig iron	671,635	722,828	3,211,190	3,459,256
Scrap - Own make	309,365	313,870	1,517,875	1,503,848
Purchased	177,015	184,180	912,699	977,744
Total pig iron and scrap	1,158,015	1,220,878	5,641,764	5,940,848

TABLE 6. Production and Shipments of Steel Ingots and Castings

	1969		1970	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>May</u>				
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	881,419	24,268	924,541	18,111
Electric	132,414 ^r	24,684	139,014	22,914
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	1,013,833 ^r	48,952	1,063,555	41,025
Continuous cast steel included in above	115,255 ^r	x	120,132	x
Alloy steel ingots included in above	80,332 ^r	x	88,051	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	-	-	-	-
Electric	15,033	14,941	16,511	15,453
Basic oxygen furnace	-	-	-	-
Total steel castings	15,033	14,941	16,511	15,453
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	696	432	744	506
Manganese and abrasion resistant	2,101	2,230	1,942	2,214
All other alloys	952	940	720	716
Total alloy castings	3,749	3,602	3,406	3,436

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

TABLE 6A. Production and Shipments of Steel Ingots and Castings

	1969		1970	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
<u>Year to date</u>	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	4,274,965	81,187	4,495,335	66,380
Electric	660,903 ^r	114,020	700,345	123,095
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	4,935,868 ^r	195,207	5,195,680	189,475
Continuous cast steel included in above	537,914 ^r	x	601,929	x
Alloy steel ingots included in above	398,299 ^r	x	407,599	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	-	-	(3)	-
Electric	66,955	64,223	78,249	75,643
Basic oxygen furnace	-	-	-	-
Total steel castings	66,955	64,223	78,249	75,643
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	3,306	2,053	3,606	2,233
Manganese and abrasion resistant	10,389	11,082	11,265	11,926
All other alloys	4,484	4,414	3,662	3,898
Total alloy castings	18,179	17,549	18,533	18,057

Note: High alloy castings include all castings with an alloy content of 8% and over.

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

TABLE 7. Disposition of Shipments(1) of Steel Castings

	May 1970		Year to date	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses	-	4	-	23
Export	1,312	349	7,490	1,643
Automotive and aircraft industries	523	-	2,702	-
Agricultural (including implement and equipment manufacturers)	110	21	520	122
Construction (including public works, public utilities and structural steel fabricators) ...	32	272	573	1,461
Machinery and tools	1,794	608	9,153	2,566
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.)	1,052	1,615	4,649	8,126
Railway operating	4,520	173	19,917	1,435
Railroad cars and locomotives	2,388	72	11,251	1,073
Shipbuilding	78	8	288	32
Miscellaneous (including grinding balls and railway car wheels)	208	314	1,043	1,576
Totals	12,017	3,436	57,586	18,057

(1) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request. Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		Total steel
			Ingots	Castings	
			net tons of 2,000 pounds		
<u>1969</u>					
January	708,626	14,822	986,844	11,731	998,575
February	647,814	16,029	899,685	12,554	912,239
March	768,830	17,506	1,022,559	13,398	1,035,957
April	774,949	17,889	1,012,947	14,239	1,027,186
May	782,891	15,862	1,013,833	15,033	1,028,866
June	726,491	18,453	974,843	13,888	988,731
July	732,290	15,152	942,868	10,659	953,527
August	286,697	16,564	387,527	10,628	398,155
September	295,861	19,750	408,395	12,527	420,922
October	357,217	15,033	529,862	12,750	542,612
November	645,936	16,674	948,236	12,684	960,920
December	733,617	20,570	1,024,247	14,615	1,038,862
Totals	7,461,219	204,304	10,151,846	154,706	10,306,552
<u>1970</u>					
January	788,315	15,124	1,042,829	14,136	1,056,965
February	722,075	15,534	973,253	14,973	988,226
March	815,211	19,017	1,078,812	15,718	1,094,530
April	783,074	16,645	1,037,231	16,911	1,054,142
May	815,498	15,627	1,063,555	16,511	1,080,066
June					
July					
August					
September					
October					
November					
December					
Totals					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

	1969		1970	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>May</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	28,060	27,379	22,930	21,452
Over 4 1/2" outside diameter (excluding tubing and casing)	57,607	59,278	40,911	41,531
Mechanical and pressure tubing, casing and oil well tubing	19,545	19,461	20,115	19,492
Totals	105,212	106,118	83,956	82,475
<u>Steel pipe fittings</u>				
Buttwelding fittings	81	108	123	159
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	642	691	595	597
Totals	723	799	718	756

(1) Included with "Other".

TABLE 9A. Production and Shipments of Steel Pipe, Tubing and Fittings

	1969		1970	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Year to date</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	125,791	117,288	135,694	110,652
Over 4 1/2" outside diameter (excluding tubing and casing)	237,380	233,710	232,711	217,644
Mechanical and pressure tubing, casing and oil well tubing	105,328	105,310	111,768	105,529
Totals	468,499	456,308	480,173	433,825
<u>Steel pipe fittings</u>				
Buttwelding fittings	538	522	463	666
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	3,057	3,177	3,022	3,336
Totals	3,595	3,699	3,485	4,002

(1) Included with "Other".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
	net tons of 2,000 pounds				
<u>May 1970</u>					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	61,303	5,544	69,036	50,772	18,264
For forging and piercing	23,669	-	22,713	...	22,713
Rails	37,603	-	31,374	...	31,374
Wire rods	36,560	-	36,408	197	36,211
Structural shapes:					
Heavy	62,287	-	53,989	...	53,989
Bar-sized shapes	11,999	-	12,673	...	12,673
Concrete reinforcing bars	49,891	160	58,929	97	58,832
Other hot rolled bars:					
Flats	8,346	-	12,903	) 2,215	47,289
Other	39,474	-	36,601		
Tie plates and track material:					
Angle bars	780	-	925	...	925
Tie plates	9,311	-	8,362	...	8,362
Track spikes	1,580	-	1,626	...	1,626
Plates (including plates for pipes and tubes)	100,891	-	100,358	18	100,340
Hot rolled sheets	99,746	-	101,285	1,803	99,482
Hot rolled strip	32,302	-	37,758	...	37,758
Total hot rolled products ...	575,742	5,704	584,940	55,102	529,838
<u>Cold rolled and coated</u>					
Cold finished bars	5,270	-	5,479	...	5,479
Cold reduced sheets and strip, cold rolled other, and coated	126,014	-	117,826	2,621	115,205
Galvanized sheets	55,097	-	53,967	208	53,759
Total cold rolled and coated ..	186,381	-	177,272	2,829	174,443
Total carbon steel	762,123	5,704	762,212	57,931	704,281
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	7,064	-	7,064	...	7,064
Alloy plates	8,304	-	8,304	...	8,304
Other hot rolled bars including structurals	24,115	-	24,155	40	24,115
Cold finished bars	473	-	499	...	499
Wire rods	649	-	649	...	649
Hot and cold rolled sheets and strip, cold rolled other	8,538	1,573	13,832	...	13,832
Total alloy steel	49,143	1,573	54,503	40	54,463

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1) net tons of 2,000	Shipments for further processing(1) pounds	Net shipments
<u>Year to date</u>					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	261,930	60,946	240,088	193,587	46,501
For forging and piercing	138,217	-	127,790	...	127,790
Rails	181,183	-	175,830	...	175,830
Wire rods	220,832	-	223,646	1,947	221,699
Structural shapes:					
Heavy	279,706	-	263,112	...	263,112
Bar-sized shapes	61,918	-	58,066	...	58,066
Concrete reinforcing bars	290,280	160	296,867	1,010	295,857
Other hot rolled bars:					
Flats	30,605	-	56,151	) 11,162	262,487
Other	245,799	-	217,498		
Tie plates and track material:					
Angle bars	5,082	-	5,107	...	5,107
Tie plates	34,489	-	35,381	...	35,381
Track spikes	6,103	-	6,160	...	6,160
Plates (including plates for pipes and tubes)	514,496	-	522,819	44	522,775
Hot rolled sheets	508,565	18,187	516,765	21,528	495,237
Hot rolled strip	152,178	-	155,740	266	155,474
Total hot rolled products ...	2,931,383	79,293	2,901,020	229,544	2,671,476
<u>Cold rolled and coated</u>					
Cold finished bars	28,057	-	29,234	...	29,234
Cold reduced sheets and strip, cold rolled other, and coated	713,887	-	717,783	22,896	694,887
Galvanized sheets	282,285	-	272,690	1,236	271,454
Total cold rolled and coated ..	1,024,229	-	1,019,707	24,132	995,575
Total carbon steel	3,955,612	79,293	3,920,727	253,676	3,667,051
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	29,085	-	29,085	...	29,085
Alloy plates	46,348	-	46,348	...	46,348
Other hot rolled bars including structurals	93,057	-	93,306	419	92,887
Cold finished bars	3,160	-	3,125	...	3,125
Wire rods	2,947	-	2,947	...	2,947
Hot and cold rolled sheets and strip, cold rolled other	39,801	12,299	57,094	...	57,094
Total alloy steel	214,398	12,299	231,905	419	231,486

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		May 1970		Year to date	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres	91,082	3,526	495,328	15,242
b	Other warehouses	8,059	-	46,576	104
6	Automotive and aircraft industries	61,102	11,976	290,520	52,375
7	Agricultural	10,904	222	61,691	2,124
8a	Contractors - Building	42,056	133	221,514	1,741
b	Construction - Public and utility ..	2,781	-	16,534	-
c	Structural steel fabricators	83,098	2,050	421,871	9,443
9	Containers	33,210	24	238,155	86
10	Machinery and tools	20,279	3,903	119,078	19,809
11	Wire, wire products and fasteners ..	33,994	1,235	236,521	11,888
12	Natural resources and extractive industries	11,805	7,956	72,301	14,524
13	Appliances and utensils	12,821	181	71,200	984
14	Other metal stamping and pressing ..	35,878	1,854	181,338	11,276
16	Railway operating	41,616	170	196,588	664
17	Railroad cars and locomotives	5,886	1,275	35,358	10,938
18	Shipbuilding	5,742	1,057	29,489	5,245
19	Pipes and tubes	98,721	5,944	499,789	21,344
20	Miscellaneous	4,225	274	28,468	1,051
	Total domestic shipments	603,259	41,780	3,262,319	178,838
5a	Export - For conversion and return	-	3,469	-	11,379
b	Other export (for final sale)				
i	USA	66,614	5,879	245,499	30,201
ii	Other countries	34,408	3,335	159,233	11,068
	Total domestic and export shipments	704,281	54,463	3,667,051	231,486
	Production, (for sale only)	762,123	49,143	3,955,612	214,398
	Imports by producers (including conversion)	5,704	1,573	79,293	12,299

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
May 1970

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres	11	267	9	11,316	4,803	9,064	10,369
b	Other warehouses	-	277	-	2,318	933	75	414
6	Automotive and aircraft industries	2,459	-	120	120	46	-	15,387
7	Agriculture	-	-	37	377	806	-	2,721
8a	Contractors - Building ...	-	-	255	670	57	8,427	429
b	Construction - Public and utility	-	-	-	334	-	1,082	112
c	Structural steel fabri- cators	184	43	426	31,788	4,090	16,212	6,285
9	Containers	-	-	-	-	-	-	9
10	Machinery and tools	15	55	1,127	1,246	159	20	2,575
11	Wire, wire products and fasteners	456	-	24,899	8	342	23	5,565
12	Natural resources and extractive industries ..	359	810	-	196	10	1,082	14,332
13	Appliances and utensils ..	-	-	-	-	-	22	63
14	Other metal stamping and pressing	232	25	146	218	555	12,590	3,738
16	Railway operating	-	28,852	-	330	11	-	1,178
17	Railroad cars and loco- motives	2,982	-	-	280	5	-	233
18	Shipbuilding	-	-	-	718	44	1	173
19	Pipes and tubes	19,582	-	50	-	-	-	-
20	Miscellaneous	2,359	-	212	-	-	593	334
	Total domestic shipments	28,639	30,329	27,281	49,919	11,861	49,191	63,917
5a	Export - For conversion and return	-	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	6,462	1,045	4,370	4,070	812	3,530	6,856
ii	Other countries	12,940	-	5,209	-	-	6,111	631
	Total domestic and exports shipments ..	48,041	31,374	36,860	53,989	12,673	58,832	71,404
	Production (for sale only)	92,036	37,603	37,209	62,287	11,999	49,891	71,935
	Imports by producers (in- cluding conversion)	5,544	-	-	-	-	160	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
May 1970

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, Cold rolled other and coated	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
26	21,117	12,811	470	2,571	11,846	9,928	94,608	4a
40	1,302	1,607	30	-	1,063	-	8,059	b
-	776	34,447	2,495	1,393	13,801	2,034	73,078	6
-	895	3,018	94	394	2,360	424	11,126	7
3	2,006	2,774	742	58	4,816	21,952	42,189	8a
-	257	704	-	-	236	56	2,781	b
3	19,011	2,778	697	48	576	3,007	85,148	c
-	22	776	22	-	32,212	193	33,234	9
3	5,780	3,511	464	800	7,487	940	24,182	10
744	337	834	-	205	1,621	195	35,229	11
30	1,416	549	-	24	461	492	19,761	12
-	638	2,543	8	21	7,448	2,259	13,002	13
-	2,112	3,092	447	281	11,509	2,787	37,732	14
10,019	1,090	249	-	-	10	47	41,786	16
-	3,134	508	-	-	-	19	7,161	17
-	5,381	471	-	11	-	-	6,799	18
-	35,265	13,425	31,823	-	3,429	1,091	104,665	19
10	-	-	-	36	859	96	4,499	20
10,878	100,539	84,097	37,292	5,842	99,734	45,520	645,039	
-	-	-	-	-	3,469	-	3,469	5a
								b
35	8,103	14,253	466	123	15,505	6,863	72,493	i
-	2	1,567	-	13	9,894	1,376	37,743	ii
10,913	108,644	99,917	37,758	5,978	128,602	53,759	758,744	
11,671	109,195	100,181	32,302	5,743	134,117	55,097	811,266	
-	-	-	-	-	1,573	-	7,277	

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Year to date

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres	59	1,224	110	50,846	16,013	70,628	51,656
b	Other warehouses	-	1,111	-	10,669	2,785	938	3,456
6	Automotive and aircraft industries	14,895	-	379	384	296	21	69,009
7	Agriculture	20	-	96	1,924	2,510	-	15,510
8a	Contractors - Building ...	13	20	1,128	3,145	244	34,546	2,713
b	Construction - Public and utility	-	-	-	1,369	-	7,530	596
c	Structural steel fabri- cators	860	446	2,774	156,168	22,243	75,161	34,775
9	Containers	-	-	-	-	-	-	31
10	Machinery and tools	15	55	7,852	5,815	1,188	171	16,640
11	Wire, wire products and fasteners	3,734	-	178,807	59	1,972	172	40,598
12	Natural resources and extractive industries ..	2,004	5,459	-	3,261	79	6,565	51,348
13	Appliances and utensils ..	-	-	-	80	75	22	289
14	Other metal stamping and pressing	1,463	325	1,180	1,096	1,481	54,115	16,792
16	Railway operating	38	143,354	-	1,096	264	-	4,156
17	Railroad cars and loco- motives	13,737	-	-	3,029	74	-	2,243
18	Shipbuilding	67	-	-	1,803	74	1	1,057
19	Pipes and tubes	94,312	-	482	-	(- 50)	817	23
20	Miscellaneous	20,459	-	626	60	89	2,100	974
	Total domestic shipments	151,676	151,994	193,434	240,804	49,337	252,787	311,866
5a	Export - For conversion and return	-	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	13,543	4,037	13,674	22,308	8,729	5,309	36,712
ii	Other countries	38,157	19,799	17,538	-	-	37,761	6,796
	Total domestic and exports shipments ..	203,376	175,830	224,646	263,112	58,066	295,857	355,374
	Production (for sale only)	429,232	181,183	223,779	279,706	61,918	290,280	369,461
	Imports by producers (in- cluding conversion)	60,946	-	-	-	-	160	-

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Year to date

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, cold rolled other and coated	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
283	93,235	75,133	1,498	13,056	77,352	59,477	510,570	4a
139	9,577	10,268	600	-	7,137	-	46,680	b
-	3,811	152,819	12,275	6,868	72,133	10,005	342,895	6
-	6,858	18,681	627	4,010	12,234	1,345	63,815	7
56	9,692	22,924	4,130	233	25,189	119,222	223,255	8a
5	1,346	4,162	-	-	1,060	466	16,534	b
40	101,668	15,978	3,740	303	4,758	12,400	431,314	c
-	22	2,629	267	-	234,713	579	238,241	9
3	29,321	19,306	4,261	4,284	44,216	5,760	138,887	10
2,698	1,895	7,924	300	1,024	8,401	825	248,409	11
674	8,344	3,729	-	117	2,708	2,537	86,825	12
-	2,219	11,045	365	397	46,608	11,084	72,184	13
20	13,056	23,334	2,032	1,345	63,277	13,098	192,614	14
42,427	4,728	902	-	-	145	142	197,252	16
-	22,476	4,394	-	13	-	330	46,296	17
-	28,112	3,364	195	25	36	-	34,734	18
-	195,901	76,147	122,984	109	27,345	3,063	521,133	19
83	58	41	-	196	4,667	166	29,519	20
46,428	532,319	452,780	153,274	31,980	631,979	240,499	3,441,157	
-	-	-	-	-	11,379	-	11,379	5a
								b
196	36,802	44,265	2,200	309	61,175	26,441	275,700	i
24	2	3,216	-	70	42,424	4,514	170,301	ii
46,648	569,123	500,261	155,474	32,359	746,957	271,454	3,898,537	
45,674	560,844	513,589	152,178	31,217	748,664	282,285	4,170,010	
-	-	18,187	-	-	12,299	-	91,592	

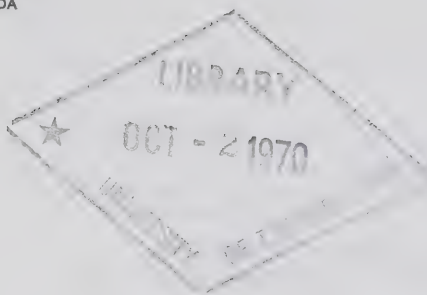
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FER ET ACIER PRIMAIRE

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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications.

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- P preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

Note: The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

SIGNES CONVENTIONNELS

Les signes conventionnels suivants sont employés uniformément dans les publications du Bureau fédéral de la statistique.

- .. nombres indisponibles.
- ... n'ayant pas lieu de figurer.
- néant ou zéro.
- nombres infimes.
- P nombres provisoires.
- r nombres rectifiés.
- x confidentiel en vertu des dispositions de la Loi sur la statistique relatives au secret

Nota: Les termes expéditions, expéditions nettes, utilisés dans cette publication, se rapportent aux expéditions des producteurs.

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TABLE 1. Pig Iron Capacity, January 1, 1970

TABLEAU 1. Capacité de fonte en gueuses, 1^{er} janvier 1970

	In blast or in use — En activité		Banked, blown out or idle — Vide, hors feu ou chômant	
	Furnaces — Fours	Annual capacity — Capacité annuelle	Furnaces — Fours	Annual capacity — Capacité annuelle
	No. — nomb.	net tons — tonnes nettes	No. — nomb.	net tons — tonnes nettes
Blast furnaces — Hauts fourneaux	14	9,005,000	1	150,000
Electric furnaces — Fours électriques	11	575,000	—	—
Total	25	9,580,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

TABLEAU 2. Charges des hauts fourneaux de fer(1)

	June - 1970 - Juin	Year to date — Total cumulatif
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Crude iron ore — Minerai de fer brut</u>		
From Canadian mines — Des mines canadiennes	7,960	97,519
From foreign mines — Des mines étrangères	34,995	162,400
Pyrite cinder — Cendre de pyrite	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.) — Minerai de fer sinter, bouletté, etc.)</u>		
From Canadian mines — Des mines canadiennes	879,378	5,094,985
From foreign mines — Des mines étrangères	134,390	837,660
From own processing — De propre traitement	85,812	570,593
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.)	23,091	142,655
Scrap iron and steel — Ferraille de fer et d'acier	10,049	72,856
Limestone — Pierre calcaire	63,284	417,830
Dolomite — Dolomie	40,941	236,050
Coke	385,598	2,357,663

(1) Does not include charges into furnaces used in the smelting of titanium ores. — Ne comprend pas les charges des fours utilisées pour l'affinage des minerais de titane.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Inclus avec les scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

TABLEAU 3. Production et expéditions de fonte en gueuses et de ferro-alliages

	1969		1970	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>June -- Juin</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	633,601	1,641	721,517	26,289
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	50,035	73,861	56,150	59,452
Malleable — Malléable	42,855	17,021	—	13,452
Pig iron — Total — Fonte en gueuses	726,491	92,523	777,667	99,193
Ferro-alloys — Ferro-alliages	18,453	19,902	19,689	23,254
Stocks of pig iron on hand at end of month — Stocks de fonte en gueuses à la fin du mois	312,918		336,305	
<u>Year to date — Total cumulatif</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	3,883,526	21,515	4,315,486	65,153
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	316,537	264,234 ^r	356,406(3)	259,218(3)
Malleable — Malléable	209,538	101,546 ^r	28,948(3)	70,730(3)
Pig iron — Total — Fonte en gueuses	4,409,601	387,295 ^r	4,700,840(3)	395,101(3)
Ferro-alloys — Ferro-alliages	100,561	110,756	101,636	110,194

(1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores. — Inclus les produits ferreux obtenus lors de l'affinage des minerais de titane.

(3) Includes revisions for year to date. -- Inclus les chiffres rectifiés de l'année à ce jour.

TABLE 4. Steel Furnace Capacity, January 1, 1970

TABLEAU 4. Capacité des fours d'acier, 1^{er} janvier 1970

	Annual capacity — Capacité annuelle
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres
<u>Ingots — Lingots</u>	
Basic open hearth — Four à sole, marche basique	6,970,000
Electric — Four électrique	2,055,450
Basic oxygen furnace — Four à oxygène, marche basique	3,800,000
Ingots — Total — Lingots	12,825,450
Steel castings — Moulages d'acier	415,925
Ingots and castings — Total — Lingots et moulages	13,241,375

TABLE 5. Pig Iron and Scrap Charged to Steel Furnaces

TABEAU 5. Charges de fonte en gueuses et de ferraille dans les fours d'acier

	June -- Juin		Year to date — Total cumulatif	
	1969 ^r	1970	1969 ^r	1970
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
Pig iron — Fonte en gueuses	633,329	687,835	3,844,519	4,147,091
Scrap — Ferraille:				
Own make — De propre fabrication	295,088	296,159	1,812,963	1,800,007
Purchased — Achetée	187,103	189,896	1,099,802	1,167,640
Pig iron and scrap — Total — Fonte en gueuses et ferraille	1,115,520	1,173,890	6,757,284	7,114,738

TABLE 6. Production and Shipments of Steel Ingots and Castings

TABEAU 6. Production et expéditions de lingots et moulages d'acier

	1969		1970	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>June -- Juin</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth — Four à sole, marche basique	837,209	17,777	874,888	14,726
Electric — Four électrique	137,634 ^r	22,900	142,399	28,701
Basic oxygen furnace — Four à oxygène, marche basique ...	(2)	(2)	(2)	(2)
Steel ingots — Total — Lingots d'acier	974,843 ^r	40,677	1,017,287	43,427
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus	114,474 ^r	x	129,962	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	76,952 ^r	x	88,225	x
<u>Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth — Four à sole, marche basique	—	—	—	—
Electric — Four électrique	13,888	14,094	17,091	15,025
Basic oxygen furnace — Four à oxygène, marche basique ...	—	—	—	—
Steel castings — Total — Moulages d'acier	13,888	14,094	17,091	15,025
<u>Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese, and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	613	346	736	501
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion	1,949	1,879	2,198	2,080
All other alloys — Tous autres alliages	946	946	974	979
Alloy castings — Total — Moulages d'acier allié	3,508	3,171	3,908	3,560

(1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine. (2) Included with "Basic open hearth". — Inclus avec les moulages de "Four à sole, marche basique".

TABLE 6A. Production and Shipments of Steel Ingots and Castings
TABLEAU 6A. Production et expéditions de lingots et moulages d'acier

	1969		1970	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>Year to date — Total cumulatif</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth — Four à sole, marche basique	5,112,174	98,964	5,370,223	81,106
Electric — Four électrique	798,537 ^r	136,920	842,744	151,796
Basic oxygen furnace — Four à oxygène, marche basique	(2)	(2)	(2)	(2)
Steel ingots — Total — Lingots d'acier	5,910,711 ^r	235,884	6,212,967	232,902
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus	652,388 ^r	x	731,891	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	475,251 ^r	x	495,824	x
<u>Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth — Four à sole, marche basique	—	—	(3)	—
Electric — Four électrique	80,843	78,317	95,340	90,668
Basic oxygen furnace — Four à oxygène, marche basique	—	—	—	—
Steel castings — Total — Moulages d'acier	80,843	78,317	95,340	90,668
<u>Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	3,919	2,399	4,342	2,734
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion	12,338	12,961	13,463	14,006
All other alloys — Tous autres alliages	5,430	5,360	4,636	4,877
Alloy castings — Total — Moulages d'acier allié	21,687	20,720	22,441	21,617

See footnote(s) at end of Table 6. — Voir renvoi(s) à la fin du Tableau 6.

TABLE 7. Disposition of Shipments(1) of Steel Castings
TABLEAU 7. Écoulement des expéditions(1) de moulages d'acier

	June - 1970 - Juin		Year to date — Total cumulatif	
	Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
Wholesalers and warehouses — Commerce de gros et entrepôts	—	4	—	27
Export — Exportation	1,243	293	8,733	1,936
Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	629	—	3,331	—
Agricultural(2) — Agriculture(2)	95	45	615	167
Construction(3)	29	236	602	1,697
Machinery and tools — Machines et outils	1,615	605	10,768	3,171
Natural resources and extractive industries(4) — Industries des ressources naturelles et de l'extraction(4)	970	1,505	5,619	9,631
Railway operating — Matériel ferroviaire fixe	4,041	160	23,958	1,595
Railroad cars and locomotives — Matériel roulant de chemin de fer	2,535	391	13,786	1,464
Shipbuilding — Construction de navires	76	18	364	50
Miscellaneous(5) — Divers(5)	232	303	1,275	1,879
Total	11,465	3,560	69,051	21,617

(1) (a) Compiled by principal consuming industries according to the Steel Distribution Index revised January 1964. — Compilé par les principales industries de consommation, d'après le Steel Distribution Index révisé en janvier 1964. (b) Includes producers' own-make castings allocated to appropriate consuming industry. — Inclus les moulages d'acier de propre fabrication des fabricants affectés à l'industrie de consommation appropriée. (2) Including implement and equipment manufacturers. — Y compris les fabricants d'instruments et de matériel agricoles. (3) Including public works, public utilities and structural steel fabricators. — Y compris les travaux publics, les services d'utilité publique et les fabricants d'acier de charpente. (4) Including mining, lumbering, quarrying, oil and gas, including refineries, etc. — Y compris l'industrie minière, l'exploitation du bois-d'oeuvre, les carrières, le pétrole et le gaz, et les raffineries, etc. (5) Including grinding balls and railway car wheels. — Y compris les broyeurs à boulets et les roues des voitures et wagons de chemin de fer.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

TABLEAU 8. Production mensuelle de fonte en gueuses, de ferro-alliages et de lingots et moulages d'acier

	Pig iron — Fonte en gueuses	Ferro- alloys — Ferro- alliages	Steel — Acier		
			Ingots — Lingots	Castings — Moulages	Steel — Total — Acier
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>1969</u>					
January — Janvier	708,626	14,822	986,844	11,731	998,575
February — Février	647,814	16,029	899,685	12,554	912,239
March — Mars	768,830	17,506	1,022,559	13,398	1,035,957
April — Avril	774,949	17,889	1,012,947	14,239	1,027,186
May — Mai	782,891	15,862	1,013,833	15,033	1,028,866
June — Juin	726,491	18,453	974,843	13,888	988,731
July — Juillet	732,290	15,152	942,868	10,659	953,527
August — Août	286,697	16,564	387,527	10,628	398,155
September — Septembre	295,861	19,750	408,395	12,527	420,922
October — Octobre	357,217	15,033	529,862	12,750	542,612
November — Novembre	645,936	16,674	948,236	12,684	960,920
December — Décembre	733,617	20,570	1,024,247	14,615	1,038,862
Total	7,461,219	204,304	10,151,846	154,706	10,306,552
<u>1970</u>					
January — Janvier	788,315	15,124	1,042,829	14,136	1,056,965
February — Février	722,075	15,534	973,253	14,973	988,226
March — Mars	815,211	19,017	1,078,812	15,718	1,094,530
April — Avril	783,074	16,645	1,037,231	16,911	1,054,142
May — Mai	815,498	15,627	1,063,555	16,511	1,080,066
June — Juin	777,667	19,689	1,017,287	17,091	1,034,378
July — Juillet					
August — Août					
September — Septembre					
October — Octobre					
November — Novembre					
December — Décembre					
Total					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

TABLEAU 9. Production et expéditions de tuyaux, tubes et raccords en acier

	1969		1970	
	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>June -- Juin</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	24,872	26,175	26,156	22,990
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	58,035	59,170	47,747	35,206
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	18,360	18,493	21,501	19,314
Total	101,267	103,838	95,404	77,510
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	65	92	106	180
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	581	548	749	828
Total	646	640	855	1,008
<u>Year to date — Total cumulatif</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	150,663	143,463	161,850	133,642
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	295,415	292,880	280,458	252,850
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	123,688	123,803	133,269	124,843
Total	569,766	560,146	575,577	511,335
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	603	614	569	846
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	3,638	3,725	3,771	4,164
Total	4,241	4,339	4,340	5,010

(1) Included with "Other". -- Inclus avec "Autre".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

TABLEAU 10. Production et écoulement des expéditions de produits de lingots et laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
June - 1970 - Juin					
Carbon steel — Acier au carbone					
Hot rolled — Laminé à chaud					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	61,404	9,024	56,215	48,516	7,699
For forging and piercing — Pour forgeage et perforation	28,484	—	23,744	...	23,744
Rails	29,076	—	31,485	...	31,485
Wire rods — Fils machine	55,306	—	55,740	597	55,143
Structural shapes — Profilés de charpente:					
Heavy — Lourds	52,585	—	55,853	...	55,853
Bar-sized shapes — De la grosseur d'une barre ...	11,154	—	11,345	...	11,345
Concrete reinforcing bars — Barres d'armature ou ronds à béton	67,540	—	74,188	...	74,188
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	6,935	—	10,177	1,376	45,126
Other — Autres	48,880	—	36,325		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	667	—	695	...	695
Tie plates — Selles d'appui	8,812	—	10,295	...	10,295
Track spikes — Crampons de traverses de chemin de fer	1,779	—	1,706	...	1,706
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	104,125	—	103,751	4	103,747
Hot rolled sheets — Tôles laminées à chaud	110,723	—	106,420	2,318	104,102
Hot rolled strip — Feuillard laminé à chaud	27,543	—	26,110	77	26,033
Hot rolled products — Total — Produits laminés à chaud	615,013	9,024	604,049	52,888	551,161
Cold rolled and coated — Laminé à froid et revêtu					
Cold finished bars — Barres étirées à froid	5,567	—	5,588	...	5,588
Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	148,719	—	142,708	1,997	140,711
Galvanized sheets — Tôles galvanisées	54,530	—	53,181	84	53,097
Cold rolled and coated — Total — Laminés à froid et revêtus	208,816	—	201,477	2,081	199,396
Carbon steel — Total — Acier au carbone ...	823,829	9,024	805,526	54,969	750,557
Alloy steel — Acier allié					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	6,747	—	6,747	...	6,747
Alloy plates — Plaques d'alliage	8,992	—	8,992	...	8,992
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	21,440	—	21,487	23	21,464
Cold finished bars — Barres étirées à froid	449	—	473	...	473
Wire rods — Fils machine	942	—	946	4	942
Hot and cold rolled sheets and strip cold rolled other — Autres laminés à froid tôles et feuillards laminés à chaud et à froid	7,874	2,881	9,386	...	9,386
Alloy steel — Total — Acier allié	46,444	2,881	48,031	27	48,004

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. -- Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

TABLEAU 10A. Production et écoulement des expéditions de lingots et de laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>Year to date — Total cumulatif</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	323,334	69,970	296,303	242,103	54,200
For forging and piercing — Pour forgeage et perforation	166,701	—	151,534	...	151,534
Rails	210,259	—	207,315	...	207,315
Wire rods — Fils machine	276,138	—	279,386	2,544	276,842
Structural shapes — Profilés de charpente:					
Heavy — Lourds	332,291	—	318,965	...	318,965
Bar-sized shapes — De la grosseur d'une barre ...	73,072	—	69,411	...	69,411
Concrete reinforcing bars — Barre d'armature ou ronds à béton	357,820	160	371,055	1,010	370,045
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	37,540	—	66,328	12,538	307,613
Other — Autres	294,679	—	253,823		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	5,749	—	5,802	...	5,802
Tie plates — Selles d'appui	43,301	—	45,676	...	45,676
Track spikes — Crampons de traverses de chemin de fer	7,882	—	7,866	...	7,866
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	618,621	—	626,570	48	626,522
Hot rolled sheets — Tôles laminées à chaud	619,288	18,187	623,185	23,846	599,339
Hot rolled strip — Feuillard laminé à chaud	179,721	—	181,850	343	181,507
Hot rolled products — Total — Produits laminés à chaud	3,546,396	88,317	3,505,069	282,432	3,222,637
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	33,624	—	34,822	...	34,822
Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard laminés à froid autres laminés à froid et revêtus (excluant l'étain)	862,606	—	860,491	24,893	835,598
Galvanized sheets — Tôles galvanisées	336,815	—	325,871	1,320	324,551
Cold rolled and coated — Total — Laminés à froid et revêtus	1,233,045	—	1,221,184	26,213	1,194,971
Carbon steel — Total — Acier au carbone ...	4,779,441	88,317	4,726,253	308,645	4,417,608
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	35,832	—	35,832	...	35,832
Alloy plates — Plaques d'alliage	55,340	—	55,340	...	55,340
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	114,497	—	114,793	442	114,351
Cold finished bars — Barres étirées à froid	3,609	—	3,598	...	3,598
Wire rods — Fils machine	3,889	—	3,893	4	3,889
Hot and cold rolled sheets and strip cold rolled other — Autres laminés à froid tôles et feuillard laminés à chaud et à froid	47,675	15,180	66,480	...	66,480
Alloy steel — Total — Acier allié	260,842	15,180	279,936	446	279,490

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. -- Les totaux de toutes les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

TABEAU 11. Écoulement des expéditions nettes(1) de produits de laminages d'acier

SDI No. — N ^o du SDI		June - 1970 - Juin		Year to date — Total cumulatif	
		Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
		net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
4a	Wholesalers and warehouses - Steel service centres - Commerce de gros et entrepôts - Centres de service de l'acier	83,908	2,418	579,236	17,660
b	Other warehouses - Autres entrepôts	9,909	59	56,485	163
6	Automotive and aircraft industries - Industries de l'automobile et de l'aéronautique	65,215	16,303	355,735	68,678
7	Agricultural - Agriculture	9,820	292	71,511	2,416
8a	Contractors - Building - Entrepreneurs - Construction	47,049	108	268,563	1,849
b	Construction - Public and utility - Travaux publics et service d'utilité publique	2,301	12	18,835	12
c	Structural steel fabricators - Fabricants d'acier de charpente	97,902	2,024	519,773	11,467
9	Containers - Conteneurs	44,620	16	282,775	102
10	Machinery and tools - Machines et outils	22,131	3,198	141,209	23,007
11	Wire, wire products and fasteners - Fil métallique, produits en fil métallique et attaches	42,986	1,134	279,507	13,022
12	Natural resources and extractive industries - Ressources naturelles et industries de l'extraction	13,555	2,521	85,856	17,045
13	Appliances and utensils - Appareils et ustensiles	11,866	86	83,066	1,070
14	Other metal stamping and pressing - Autres articles estampés et matricés	37,831	1,741	219,169	13,017
16	Railway operating - Matériel ferroviaire fixe	38,422	415	235,010	1,079
17	Railroad cars and locomotives - Matériel roulant de chemin de fer	4,661	2,863	40,019	13,801
18	Shipbuilding - Construction de navires	5,622	385	35,111	5,630
19	Pipes and tubes - Tuyaux et tubes	93,448	5,559	593,237	26,903
20	Miscellaneous - Divers	4,741	187	33,209	1,238
	Domestic shipments - Total - Expéditions au pays	635,987	39,321	3,898,306	218,159
5a	Export - For conversion and return - Exportation - Pour transformation et retour	—	77	—	11,456
b	Other export (for final sale) - Autres exportations (vente)				
i	USA - É.-U.	71,579	6,017	317,078	36,218
ii	Other countries - Autres pays	42,991	2,589	202,224	13,657
	Domestic and export shipments - Total - Expéditions et exportation au pays	750,557	48,004	4,417,608	279,490
	Production (for sale only) - Production (pour la vente seulement)	823,829	46,444	4,779,441	260,842
	Imports by producers (including conversion) - Importation par les fabricants (y compris la transformation)	9,024	2,881	88,317	15,180

(1) Compiled by principal consuming industries according to the "Steel Distribution Index", revised January 1964. - Compilé par les principales industries de consommation d'après le Steel Distribution Index révisé en janvier 1964.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
June 1970

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machine	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosueur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	—	98	—	10,487	3,491	11,429	8,996	79
b	Other warehouses	—	167	—	2,280	712	74	869	133
6	Automotive and aircraft industries	2,760	—	39	108	36	20	19,826	—
7	Agricultural	—	—	14	347	383	—	1,636	—
8a	Contractors — Building	—	—	411	453	18	9,696	583	—
b	Construction — Public and utility	—	—	—	182	—	1,273	112	3
c	Structural steel fabricators	251	28	640	33,974	5,170	23,876	5,663	8
9	Containers	—	—	—	—	—	—	—	—
10	Machinery and tools	9	—	2,557	1,190	302	41	2,906	—
11	Wire, wire products and fasteners	790	—	31,897	11	119	18	6,274	716
12	Natural resources and extractive industries.	523	722	—	414	38	1,435	9,122	732
13	Appliances and utensils	—	—	—	39	25	—	47	—
14	Other metal stamping and pressing	678	—	68	265	401	14,530	2,964	1
16	Railway operating	—	25,333	—	253	150	—	380	10,917
17	Railroad cars and locomotives	2,688	—	—	145	14	—	117	2
18	Shipbuilding	—	—	—	684	66	—	102	—
19	Pipes and tubes	19,112	—	—	—	—	—	17	—
20	Miscellaneous	2,881	—	128	—	39	654	215	17
	Total domestic shipments	29,692	26,348	35,754	50,832	10,964	63,046	59,829	12,608
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	5,079	5,137	4,821	5,021	381	3,856	6,071	88
ii	Other countries	3,419	—	15,510	—	—	7,286	690	—
	Total domestic and export shipments.	38,190	31,485	56,085	55,853	11,345	74,188	66,590	12,696
	Production (for sale only)	96,635	29,076	56,248	52,585	11,154	67,540	77,255	11,258
	Imports by producers (including conversion).	9,024	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Juin 1970

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Toles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Toles et feuillard, laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	Calvanized sheets — Toles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
16,058	11,295	281	2,187	14,010	7,915	86,326	Commerce de gros et entrepôts - Centres de service de l'acier.	4a
1,469	1,795	547	—	1,922	—	9,968	Autres entrepôts	b
955	39,348	1,823	1,408	13,492	1,703	81,518	Industries de l'automobile et de l'aéronautique.	6
1,202	3,342	108	717	2,083	280	10,112	Agriculture	7
1,289	4,054	331	—	4,670	25,652	47,157	Entrepreneurs - Construction	8a
271	247	—	—	225	—	2,313	Construction - Travaux publics et service d'utilité publique.	b
22,152	3,319	775	28	306	3,736	99,926	Fabricants d'acier de charpente	c
32	410	—	—	43,969	225	44,636	Contenants	9
5,378	3,606	716	779	6,878	967	25,329	Machines et outils	10
507	1,828	—	247	1,531	182	44,120	Fil métallique, produits en fil métallique et attaches.	11
1,769	461	—	24	655	181	16,076	Industries des ressources naturelles et de l'extraction.	12
388	1,797	144	198	8,035	1,279	11,952	Appareils et ustensiles	13
2,435	2,774	346	177	13,182	1,751	39,572	Autres articles estampés et matricés ...	14
1,236	530	—	24	—	14	38,837	Matériel ferroviaire fixe	16
4,325	233	—	—	—	—	7,524	Matériel roulant de chemin de fer	17
5,023	118	—	14	—	—	6,007	Construction de navires	18
37,628	14,385	20,873	3	6,083	906	99,007	Tuyaux et tubes	19
—	45	—	47	782	120	4,928	Divers	20
102,117	89,587	25,944	5,853	117,823	44,911	675,308	Total, expéditions au pays	
—	—	—	—	77	—	77	Exportation - Pour transformation et retour.	5a
10,622	14,655	89	175	14,352	7,249	77,596	Autres exportation (vente)	b
—	441	—	33	17,264	937	45,580	É.-U.	i
							Autres pays	ii
112,739	104,683	26,033	6,061	149,516	53,097	798,561	Total, expéditions et exportation au pays.	
113,117	111,304	27,543	6,016	156,012	54,530	870,273	Production (pour la vente seulement)	
—	—	—	—	2,881	—	11,905	Importation par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Year to date									
SDI No.		Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machines	Structural shapes — Profilés de charpente		Concrete reinforcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar-sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	59	1,322	110	61,333	19,504	82,057	60,652	362
b	Other warehouses	—	1,278	—	12,949	3,497	1,012	4,325	272
6	Automotive and aircraft industries	17,655	—	418	492	332	41	88,835	—
7	Agricultural	20	—	110	2,271	2,893	—	17,146	—
8a	Contractors — Building	13	20	1,539	3,598	262	44,242	3,296	56
b	Construction — Public and utility	—	—	—	1,551	—	8,803	708	8
c	Structural steel fabricators	1,111	474	3,414	190,142	27,413	99,037	40,438	48
9	Containers	—	—	—	—	—	—	31	—
10	Machinery and tools	24	55	10,409	7,005	1,490	212	19,546	3
11	Wire, wire products and fasteners	4,524	—	210,704	70	2,091	190	46,872	3,414
12	Natural resources and extractive industries.	2,527	6,181	—	3,675	117	8,000	60,470	1,406
13	Appliances and utensils	—	—	—	119	100	22	336	—
14	Other metal stamping and pressing	2,141	325	1,248	1,361	1,882	68,645	19,756	21
16	Railway operating	38	168,687	—	1,349	414	—	4,536	53,344
17	Railroad cars and locomotives	16,425	—	—	3,174	88	—	2,360	2
18	Shipbuilding	67	—	—	2,487	140	1	1,159	—
19	Pipes and tubes	113,424	—	482	—	(-50)	817	40	—
20	Miscellaneous	23,340	—	754	60	128	2,754	1,189	100
	Total domestic shipments	181,368	178,342	229,188	291,636	60,301	315,833	371,695	59,036
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	18,622	9,174	18,495	27,329	9,110	9,165	42,783	284
ii	Other countries	41,576	19,799	33,048	—	—	45,047	7,486	24
	Total domestic and export shipments.	241,566	207,315	280,731	318,965	69,411	370,045	421,964	59,344
	Production (for sale only)	525,867	210,259	280,027	332,291	73,072	357,820	446,716	56,932
	Imports by producers (including conversion).	69,970	—	—	—	—	160	—	—

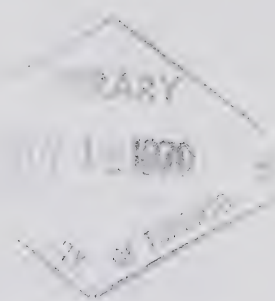
(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12A. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Total cumulatif

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	Galvanized sheets — Tôles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
109,293	86,428	1,779	15,243	91,362	67,392	596,896	Commerce de gros et entrepôts — Centres de service de l'acier.	4a
11,046	12,063	1,147	—	9,059	—	56,648	Autres entrepôts	b
4,766	192,167	14,098	8,276	85,625	11,708	424,413	Industries de l'automobile et de l'aéronautique.	6
8,060	22,023	735	4,727	14,317	1,625	73,927	Agriculture	7
10,981	26,978	4,461	233	29,859	144,874	270,412	Entrepreneurs — Construction	8a
1,617	4,409	—	—	1,285	466	18,847	Construction — Travaux publics et service d'utilité publique.	b
123,820	19,297	4,515	331	5,064	16,136	531,240	Fabricants d'acier de charpente	c
54	3,039	267	—	278,682	804	282,877	Contenants	9
34,699	22,912	4,977	5,063	51,094	6,727	164,216	Machines et outils	10
2,402	9,752	300	1,271	9,932	1,007	292,529	Fil métallique, produits en fil métallique et attachés.	11
10,113	4,190	—	141	3,363	2,718	102,901	Industries des ressources naturelles et de l'extraction.	12
2,607	12,842	509	595	54,643	12,363	84,136	Appareils et ustensiles	13
15,491	26,108	2,378	1,522	76,459	14,849	232,186	Autres articles estampés et matricés ...	14
5,964	1,432	—	24	145	156	236,089	Matériel ferroviaire fixe	16
26,801	4,627	—	13	—	330	53,820	Matériel roulant de chemin de fer	17
33,135	3,482	195	39	36	—	40,741	Construction de navires	18
233,529	90,532	143,857	112	33,428	3,969	620,140	Tuyaux et tubes	19
58	86	—	243	5,449	286	34,447	Divers	20
634,436	542,367	179,218	37,833	749,802	285,410	4,116,465	Total, expéditions au pays	
—	—	—	—	11,456	—	11,456	Exportation — Pour transformation et retour.	5a
47,424	58,920	2,289	484	75,527	33,690	353,296	Autres exportation (vente)	b
2	3,657	—	103	59,688	5,451	215,881	E.-U.	i
							Autres pays	ii
681,862	604,944	181,507	38,420	896,473	324,551	4,697,098	Total, expéditions et exportation au pays.	
673,961	624,893	179,721	37,233	904,676	336,815	5,040,283	Production (pour la vente seulement)	
—	18,187	—	—	15,180	—	103,497	Importations par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.



PRIMARY IRON AND STEEL

FER ET ACIER PRIMAIRE

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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications.

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- P preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

Note: The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

SIGNES CONVENTIONNELS

Les signes conventionnels suivants sont employés uniformément dans les publications du Bureau fédéral de la statistique.

- .. nombres indisponibles.
- ... n'ayant pas lieu de figurer.
- néant ou zéro.
- nombres infimes.
- P nombres provisoires.
- r nombres rectifiés.
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Nota: Les termes expéditions, expéditions nettes, utilisés dans cette publication, se rapportent aux expéditions des producteurs.

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TABLE 1. Pig Iron Capacity, January 1, 1970

TABLEAU 1. Capacité de fonte en gueuses, 1^{er} janvier 1970

	In blast or in use — En activité		Banked, blown out or idle — Vide, hors feu ou chômant	
	Furnaces — Fours	Annual capacity — Capacité annuelle	Furnaces — Fours	Annual capacity — Capacité annuelle
	No. — nomb.	net tons — tonnes nettes	No. — nomb.	net tons — tonnes nettes
Blast furnaces — Hauts fourneaux	14	9,005,000	1	150,000
Electric furnaces — Fours électriques	11	575,000	—	—
Total	25	9,580,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

TABLEAU 2. Charges des hauts fourneaux de fer(1)

	July — 1970 — Juillet	Year to date — Total cumulatif
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Crude iron ore — Minerai de fer brut</u>		
From Canadian mines — Des mines canadiennes	7,491	105,010
From foreign mines — Des mines étrangères	32,051	194,451
Pyrite cinder — Cendre de pyrite	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.) — Minerai de fer sinter, bouletté, etc.)</u>		
From Canadian mines — Des mines canadiennes	818,285	5,913,270
From foreign mines — Des mines étrangères	170,605	1,008,265
From own processing — De propre traitement	101,482	672,075
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.)	24,139	166,794
Scrap iron and steel — Ferraille de fer et d'acier	14,006	86,862
Limestone — Pierre calcaire	71,250	489,080
Dolomite — Dolomie	41,122	277,172
Coke	390,357	2,748,020

(1) Does not include charges into furnaces used in the smelting of titanium ores. — Ne comprend pas les charges des fours utilisées pour l'affinage des minerais de titane.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Inclus avec les scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys
TABLEAU 3. Production et expéditions de fonte en gueuses et de ferro-alliages

	1969		1970	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>July — Juillet</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	649,887	3,333	703,768	3,852
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	46,878	71,392 ^r	55,908	82,871
Malleable — Malléable	35,525	12,035 ^r	11,057	6,140
Pig iron — Total — Fonte en gueuses	732,290	86,760 ^r	770,733	92,863
Ferro-alloys — Ferro-alliages	15,152	15,085	17,840	18,174
Stocks of pig iron on hand at end of month — Stocks de fonte en gueuses à la fin du mois	308,012		296,613	
<u>Year to date — Total cumulatif</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	4,533,413	24,848	5,019,254	69,005
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	363,415	335,626 ^r	412,314	342,089
Malleable — Malléable	245,063	113,581 ^r	40,005	76,870
Pig iron — Total — Fonte en gueuses	5,141,891	474,055 ^r	5,471,573	487,964
Ferro-alloys — Ferro-alliages	115,713	125,841	119,476	128,368

- (1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine.
(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores. — Inclus les produits
ferreux obtenus lors de l'affinage des minerais de titane.

TABLE 4. Steel Furnace Capacity, January 1, 1970
TABLEAU 4. Capacité des fours d'acier, 1^{er} janvier 1970

	Annual capacity — Capacité annuelle
net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Ingots — Lingots</u>	
Basic open hearth — Four à sole, marche basique	6,970,000
Electric — Four électrique	2,055,450
Basic oxygen furnace — Four à oxygène, marche basique	3,800,000
Ingots — Total — Lingots	12,825,450
Steel castings — Moulages d'acier	415,925
Ingots and castings — Total — Lingots et moulages	13,241,375

TABLE 5. Pig Iron and Scrap Charged to Steel Furnaces

TABLEAU 5. Charges de fonte en gueuses et de ferraille dans les fours d'acier

	July - 1970 - Juillet		Year to date - Total cumulatif	
	1969	1970	1969	1970
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
Pig iron - Fonte en gueuses	480,947	681,599	4,325,466	4,828,690
Scrap - Ferraille:				
Own make - De propre fabrication	225,838	282,430	2,038,801	2,082,437
Purchased - Achetée	160,217	172,792	1,260,019	1,340,432
Pig iron and scrap - Total - Fonte en gueuses et ferraille	867,002	1,136,821	7,624,286	8,251,559

TABLE 6. Production and Shipments of Steel Ingots and Castings

TABLEAU 6. Production et expéditions de lingots et moulages d'acier

	1969		1970	
	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
<u>July - Juillet</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) - Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth - Four à sole, marche basique	826,096	11,039	868,788	16,598
Electric - Four électrique	116,772	21,139	117,767	24,865
Basic oxygen furnace - Four à oxygène, marche basique ...	(2)	(2)	(2)	(2)
Steel ingots - Total - Lingots d'acier	942,868	32,178	986,555	41,463
Continuous cast steel included in above - Moulages d'acier de coulée continue déclarés ci-dessus	100,555	x	102,713	x
Alloy steel ingots included in above - Lingots d'acier allié déclarés ci-dessus	87,591	x	79,403	x
<u>Steel castings (both carbon and alloy) - Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth - Four à sole, marche basique	-	-	-	-
Electric - Four électrique	10,659	11,045	11,216	11,981
Basic oxygen furnace - Four à oxygène, marche basique ...	-	-	-	-
Steel castings - Total - Moulages d'acier	10,659	11,045	11,216	11,981
<u>Alloy steel castings included in above - Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese, and abrasion resistant - Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	649	359	519	405
Manganese and abrasive resistant - Acier au manganèse et alliage résistant à l'abrasion	1,585	1,978	1,885	1,839
All other alloys - Tous autres alliages	775	662	757	820
Alloy castings - Total - Moulages d'acier allié	3,009	2,999	3,161	3,064

(1) Includes amounts for sale and for own use. - Inclus les quantités fabriquées pour vente et pour usage à l'usine. (2) Included with "Basic open hearth". - Inclus avec les moulages de "Four à sole, marche basique". (3) Included with "Electric". - Inclus avec "Four électrique".

TABLE 6A. Production and Shipments of Steel Ingots and Castings
TABLEAU 6A. Production et expéditions de lingots et moulages d'acier

	1969		1970	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>Year to date — Total cumulatif</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth — Four à sole, marche basique	5,938,270	110,003	6,239,011	97,704
Electric — Four électrique	915,309	158,059	960,511	176,661
Basic oxygen furnace — Four à oxygène, marche basique	(2)	(2)	(2)	(2)
Steel ingots — Total — Lingots d'acier	6,853,579	268,062	7,199,522	274,365
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus	752,943	x	834,604	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	562,842	x	575,227	x
<u>Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth — Four à sole, marche basique	—	—	(3)	—
Electric — Four électrique	91,502	89,362	106,556	102,649
Basic oxygen furnace — Four à oxygène, marche basique	—	—	—	—
Steel castings — Total — Moulages d'acier	91,502	89,362	106,556	102,649
<u>Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	4,568	2,758	4,861	3,139
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion	13,923	14,939	15,348	15,845
All other alloys — Tous autres alliages	6,205	6,022	5,393	5,697
Alloy castings — Total — Moulages d'acier allié	24,696	23,719	25,602	24,681

See footnote(s) at end of Table 6. — Voir renvoi(s) à la fin du Tableau 6.

TABLE 7. Disposition of Shipments(1) of Steel Castings
TABLEAU 7. Écoulement des expéditions(1) de moulages d'acier

	July — 1970 — Juillet		Year to date — Total cumulatif	
	Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
Wholesalers and warehouses — Commerce de gros et entrepôts	—	4	—	31
Export — Exportation	1,421	163	10,154	2,099
Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	603	—	3,934	—
Agricultural(2) — Agriculture(2)	69	30	684	197
Construction(3)	25	218	627	1,915
Machinery and tools — Machines et outils	1,391	516	12,159	3,687
Natural resources and extractive industries(4) — Industries des ressources naturelles et de l'extraction(4)	976	1,544	6,595	11,175
Railway operating — Matériel ferroviaire fixe	2,975	146	26,933	1,741
Railroad cars and locomotives — Matériel roulant de chemin de fer	1,242	195	15,028	1,659
Shipbuilding — Construction de navires	59	10	423	60
Miscellaneous(5) — Divers(5)	156	238	1,431	2,117
Total	8,917	3,064	77,968	24,681

(1) (a) Compiled by principal consuming industries according to the Steel Distribution Index revised January 1964. — Compilé par les principales industries de consommation, d'après le Steel Distribution Index révisé en janvier 1964. (b) Includes producers' own-make castings allocated to appropriate consuming industry. — Inclus les moulages d'acier de propre fabrication des fabricants affectés à l'industrie de consommation appropriée. (2) Including implement and equipment manufacturers. — Y compris les fabricants d'instruments et de matériel agricoles. (3) Including public works, public utilities and structural steel fabricators. — Y compris les travaux publics, les services d'utilité publique et les fabricants d'acier de charpente. (4) Including mining, lumbering, quarrying, oil and gas, including refineries, etc. — Y compris l'industrie minière, l'exploitation du bois-d'oeuvre, les carrières, le pétrole et le gaz, et les raffineries, etc. (5) Including grinding balls and railway car wheels. — Y compris les broyeurs à boulets et les roues des voitures et wagons de chemin de fer.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

TABLEAU 8. Production mensuelle de fonte en gueuses, de ferro-alliages et de lingots et moulages d'acier

	Pig iron — Fonte en gueuses	Ferro- alloys — Ferro- alliages	Steel — Acier		
			Ingots — Lingots	Castings — Moulages	Steel — Total — Acier
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>1969</u>					
January — Janvier	708,626	14,822	986,844	11,731	998,575
February — Février	647,814	16,029	899,685	12,554	912,239
March — Mars	768,830	17,506	1,022,559	13,398	1,035,957
April — Avril	774,949	17,889	1,012,947	14,239	1,027,186
May — Mai	782,891	15,862	1,013,833	15,033	1,028,866
June — Juin	726,491	18,453	974,843	13,888	988,731
July — Juillet	732,290	15,152	942,868	10,659	953,527
August — Août	286,697	16,564	387,527	10,628	398,155
September — Septembre	295,861	19,750	408,395	12,527	420,922
October — Octobre	357,217	15,033	529,862	12,750	542,612
November — Novembre	645,936	16,674	948,236	12,684	960,920
December — Décembre	733,617	20,570	1,024,247	14,615	1,038,862
Total	7,461,219	204,304	10,151,846	154,706	10,306,552
<u>1970</u>					
January — Janvier	788,315	15,124	1,042,829	14,136	1,056,965
February — Février	722,075	15,534	973,253	14,973	988,226
March — Mars	815,211	19,017	1,078,812	15,718	1,094,530
April — Avril	783,074	16,645	1,037,231	16,911	1,054,142
May — Mai	815,498	15,627	1,063,555	16,511	1,080,066
June — Juin	777,667	19,689	1,017,287	17,091	1,034,378
July — Juillet	770,733	17,840	986,555	11,216	997,771
August — Août					
September — Septembre					
October — Octobre					
November — Novembre					
December — Décembre					
Total					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

TABEAU 9. Production et expéditions de tuyaux, tubes et raccords en acier

	1969		1970	
	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>July — Juillet</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	24,702	26,316	20,146	22,568
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	46,361	63,432	42,820	39,829
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	18,361	20,405	14,686	16,252
Total	89,424	110,153	77,652	78,649
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	71	113	109	207
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	526	680	682	793
Total	597	793	791	1,000
<u>Year to date — Total cumulatif</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	175,365	169,779	181,996	156,210
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	341,776	356,312	323,278	292,679
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	142,049	144,208	147,955	141,095
Total	659,190	670,299	653,229	589,984
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	674	727	678	1,053
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	4,164	4,405	4,453	4,957
Total	4,838	5,132	5,131	6,010

(1) Included with "Other". -- Inclus avec "Autre".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

TABEAU 10. Production et écoulement des expéditions de produits de lingots et laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
<u>July — 1970 — Juillet</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	52,483	—	47,729	38,428	9,301
For forging and piercing — Pour forgeage et perforation	20,253	—	19,842	...	19,842
Rails	25,515	—	25,570	...	25,570
Wire rods — Fils machine	38,437	—	39,665	238	39,427
Structural shapes — Profilés de charpente:					
Heavy — Lourds	45,794	—	44,209	151	44,058
Bar-sized shapes — De la grosseur d'une barre ...	12,033	—	10,859	...	10,859
Concrete reinforcing bars — Barres d'armature ou ronds à béton	70,393	—	72,148	259	71,889
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	2,852	—	10,184	2,099	42,725
Other — Autres	40,047	—	34,640		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	—	—	111	...	111
Tie plates — Selles d'appui	8,037	—	8,937	...	8,937
Track spikes — Crampons de traverses de chemin de fer	1,654	—	1,570	...	1,570
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	94,794	—	95,585	...	95,585
Hot rolled sheets — Tôles laminées à chaud	112,341	—	107,467	3,512	103,955
Hot rolled strip — Feuillard laminé à chaud	24,606	—	23,047	...	23,047
Hot rolled products — Total — Produits laminés à chaud	549,239	—	541,563	44,687	496,876
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	4,855	—	4,506	...	4,506
Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	133,470	—	130,270	1,062	129,208
Galvanized sheets — Tôles galvanisées	57,506	—	54,057	110	53,947
Cold rolled and coated — Total — Laminés à froid et revêtus	195,831	—	188,833	1,172	187,661
Carbon steel — Total — Acier au carbone ...	745,070	—	730,396	45,859	684,537
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	4,727	—	4,727	...	4,727
Alloy plates — Plaques d'alliage	9,309	—	9,309	...	9,309
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	15,054	—	15,357	37	15,320
Cold finished bars — Barres étirées à froid	332	—	350	...	350
Wire rods — Fils machine	360	—	360	...	360
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillards laminés à chaud et à froid, autres laminés à froid	4,685	294	7,653	...	7,653
Alloy steel — Total — Acier allié	34,467	294	37,756	37	37,719

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

TABLEAU 10A. Production et écoulement des expéditions de lingots et de laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
<u>Year to date — Total cumulatif</u>	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	375,817	69,970	344,032	280,531	63,501
For forging and piercing — Pour forgeage et perforation	186,954	—	171,376	...	171,376
Rails	235,774	—	232,885	...	232,885
Wire rods — Fils machine	314,575	—	319,051	2,782	316,269
Structural shapes — Profilés de charpente:					
Heavy — Lourds	378,085	—	363,174	151	363,023
Bar-sized shapes — De la grosseur d'une barre ...	85,105	—	80,270	...	80,270
Concrete reinforcing bars — Barre d'armature ou ronds à béton	428,213	160	443,203	1,269	441,934
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	40,392	—	76,512	14,637	350,338
Other — Autres	334,726	—	288,463	...	...
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	5,749	—	5,913	...	5,913
Tie plates — Selles d'appui	51,338	—	54,613	...	54,613
Track spikes — Crampons de traverses de chemin de fer	9,536	—	9,436	...	9,436
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	713,415	—	722,155	48	722,107
Hot rolled sheets — Tôles laminées à chaud	731,629	18,187	730,652	27,358	703,294
Hot rolled strip — Feuillard laminé à chaud	204,327	—	204,897	343	204,554
Hot rolled products — Total — Produits laminés à chaud	4,095,635	88,317	4,046,632	327,119	3,719,513
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	38,479	—	39,328	...	39,328
Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard laminés à froid autres laminés à froid et revêtus (excluant l'étain)	996,076	—	990,761	25,955	964,806
Galvanized sheets — Tôles galvanisées	394,321	—	379,928	1,430	378,498
Cold rolled and coated — Total — Laminés à froid et revêtus	1,428,876	—	1,410,017	27,385	1,382,632
Carbon steel — Total — Acier au carbone ...	5,524,511	88,317	5,456,649	354,504	5,102,145
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	40,559	—	40,559	...	40,559
Alloy plates — Plaques d'alliage	64,649	—	64,649	...	64,649
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	129,551	—	130,150	479	129,671
Cold finished bars — Barres étirées à froid	3,941	—	3,948	...	3,948
Wire rods — Fils machine	4,249	—	4,253	4	4,249
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autres laminés à froid	52,360	15,474	74,133	...	74,133
Alloy steel — Total — Acier allié	295,309	15,474	317,692	483	317,209

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

TABLEAU 11. Écoulement des expéditions nettes(1) de produits de laminages d'acier

SDI No. — N° du SDI		July — 1970 — Juillet		Year to date — Total cumulatif	
		Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
		net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
4a	Wholesalers and warehouses — Steel service centres — Commerce de gros et entrepôts — Centres de service de l'acier	86,280	1,966	665,516	19,626
b	Other warehouses — Autres entrepôts	8,708	—	65,193	163
6	Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	57,728	10,907	413,463	79,585
7	Agricultural — Agriculture	8,365	189	79,876	2,605
8a	Contractors — Building — Entrepreneurs — Construction	49,534	92	318,097	1,941
b	Construction — Public and utility — Travaux publics et service d'utilité publique	3,169	—	22,004	12
c	Structural steel fabricators — Fabricants d'acier de charpente	77,178	3,219	596,951	14,686
9	Containers — Conteneurs	46,439	12	329,214	114
10	Machinery and tools — Machines et outils	16,223	1,977	157,432	24,984
11	Wire, wire products and fasteners — Fil métallique, produits en fil métallique et attaches	41,982	747	321,489	13,769
12	Natural resources and extractive industries — Ressources naturelles et industries de l'extraction	12,214	1,845	98,070	18,890
13	Appliances and utensils — Appareils et ustensiles	8,921	84	91,987	1,154
14	Other metal stamping and pressing — Autres articles estampés et matricés	32,627	1,209	251,796	14,226
16	Railway operating — Matériel ferroviaire fixe	32,676	409	267,686	1,488
17	Railroad cars and locomotives — Matériel roulant de chemin de fer	4,317	1,777	44,336	15,578
18	Shipbuilding — Construction de navires	4,241	464	39,352	6,094
19	Pipes and tubes — Tuyaux et tubes	73,805	3,867	667,042	30,770
20	Miscellaneous — Divers	4,418	236	37,627	1,474
	Domestic shipments — Total — Expéditions au pays	568,825	29,000	4,467,131	247,159
5a	Export — For conversion and return — Exportation — Pour transformation et retour	—	1,602	—	13,058
b	Other export (for final sale) — Autres exportations (vente)				
i	USA — É.-U.	64,846	5,429	381,924	41,647
ii	Other countries — Autres pays	50,866	1,688	253,090	15,345
	Domestic and export shipments — Total — Expéditions et exportation au pays	684,537	37,719	5,102,145	317,209
	Production (for sale only) — Production (pour la vente seulement)	745,070	34,467	5,524,511	295,309
	Imports by producers (including conversion) — Importation par les fabricants (y compris la transformation)	—	294	88,317	15,474

(1) Compiled by principal consuming industries according to the "Steel Distribution Index", revised January 1964. — Compilé par les principales industries de consommation d'après le Steel Distribution Index révisé en janvier 1964.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

July 1970

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machine	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	—	101	—	8,224	3,538	14,847	8,047	33
b	Other warehouses	—	264	—	2,056	772	152	594	112
6	Automotive and aircraft industries	2,087	—	51	166	33	—	14,137	—
7	Agricultural	—	—	—	352	328	6	1,833	—
8a	Contractors — Building	—	—	—	812	37	9,519	145	20
b	Construction — Public and utility	2	—	—	2,108	19	640	157	—
c	Structural steel fabricators	36	113	797	23,859	3,250	19,283	3,621	13
9	Containers	—	—	—	—	—	—	1,523	—
10	Machinery and tools	—	—	606	606	153	51	2,020	—
11	Wire, wire products and fasteners	428	—	32,581	—	306	148	5,546	512
12	Natural resources and extractive industries.	490	552	—	160	39	1,041	8,420	550
13	Appliances and utensils	—	—	—	35	34	—	87	—
14	Other metal stamping and pressing	100	80	202	291	222	13,060	2,637	5
16	Railway operating	—	20,402	—	584	33	—	630	9,372
17	Railroad cars and locomotives	1,501	—	—	241	26	—	382	—
18	Shipbuilding	—	5	—	741	39	—	39	—
19	Pipes and tubes	16,852	—	54	—	—	—	11	—
20	Miscellaneous	2,323	—	397	—	42	278	170	1
	Total domestic shipments	23,819	21,517	34,688	40,235	8,871	59,025	49,999	10,618
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	6,996	4,053	3,228	3,823	1,370	2,542	6,804	—
ii	Other countries	3,055	—	1,871	—	618	10,322	1,242	—
	Total domestic and export shipments.	33,870	25,570	39,787	44,058	10,859	71,889	58,045	10,618
	Production (for sale only)	77,463	25,515	38,797	45,794	12,033	70,393	57,953	9,691
	Imports by producers (including conversion).	—	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Juillet 1970

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Toles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Toles et feuillard, laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	Galvanized sheets — Toles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
19,479	13,579	89	2,225	9,726	8,358	88,246	Commerce de gros et entrepôts - Centres de service de l'acier.	4a
989	1,747	210	—	1,812	—	8,708	Autres entrepôts	b
270	34,212	1,733	1,013	13,241	1,692	68,635	Industries de l'automobile et de l'aéronautique.	6
860	2,393	52	361	2,072	297	8,554	Agriculture	7
1,422	3,653	445	3	4,476	29,094	49,626	Entrepreneurs - Construction	8a
88	100	—	—	55	—	3,169	Construction - Travaux publics et service d'utilité publique.	b
22,751	2,759	732	64	396	2,723	80,397	Fabricants d'acier de charpente	c
197	685	70	—	43,867	109	46,451	Contenants	9
5,593	2,915	339	560	4,634	723	18,200	Machines et outils	10
658	1,742	—	113	559	136	42,729	Fil métallique, produits en fil métallique et attaches.	11
1,567	535	1	19	607	78	14,059	Industries des ressources naturelles et de l'extraction.	12
913	1,381	96	110	4,971	1,378	9,005	Appareils et ustensiles	13
2,763	3,226	255	155	8,972	1,868	33,836	Autres articles estampés et matricés ...	14
1,652	366	—	1	6	39	33,085	Matériel ferroviaire fixe	16
3,613	322	—	9	—	—	6,094	Matériel roulant de chemin de fer	17
3,429	430	—	4	18	—	4,705	Construction de navires	18
28,663	9,218	18,850	11	3,509	504	77,672	Tuyaux et tubes	19
458	—	—	22	963	—	4,654	Divers	20
95,365	79,263	22,872	4,670	99,884	46,999	597,825	Total, expéditions au pays	
—	—	—	—	1,602	—	1,602	Exportation - Pour transformation et retour.	5a
9,529	10,495	175	180	14,776	6,304	70,275	Autres exportation (vente)	b
—	14,627	—	6	20,169	644	52,554	É.-U.	i
							Autres pays	ii
104,894	104,385	23,047	4,856	136,431	53,947	722,256	Total, expéditions et exportation au pays.	
104,103	112,771	24,606	5,187	137,725	57,506	779,537	Production (pour la vente seulement)	
—	—	—	—	294	—	294	Importation par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Year to date

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machines	Structural shapes — Profils de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosueur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	59	1,423	110	69,557	23,042	96,904	68,699	395
b	Other warehouses	—	1,542	—	15,005	4,269	1,164	4,919	384
6	Automotive and aircraft industries	19,742	—	469	658	365	41	102,972	—
7	Agricultural	20	—	110	2,623	3,221	6	18,979	—
8a	Contractors — Building	13	20	1,539	4,410	299	53,761	3,441	76
b	Construction — Public and utility	2	—	—	3,659	19	9,443	865	8
c	Structural steel fabricators	1,147	587	4,211	214,001	30,663	118,320	44,059	61
9	Containers	—	—	—	—	—	—	1,554	—
10	Machinery and tools	24	55	11,015	7,611	1,643	263	21,566	3
11	Wire, wire products and fasteners	4,952	—	243,285	70	2,397	338	52,418	3,926
12	Natural resources and extractive industries.	3,017	6,733	—	3,835	156	9,041	68,890	1,956
13	Appliances and utensils	—	—	—	154	134	22	423	—
14	Other metal stamping and pressing	2,241	405	1,450	1,652	2,104	81,705	22,393	26
16	Railway operating	38	189,089	—	1,933	447	—	5,166	62,716
17	Railroad cars and locomotives	17,926	—	—	3,415	114	—	2,742	2
18	Shipbuilding	67	5	—	3,228	179	1	1,198	—
19	Pipes and tubes	130,276	—	536	—	(— 50)	817	51	—
20	Miscellaneous	25,663	—	1,151	60	170	3,032	1,359	101
	Total domestic shipments	205,187	199,859	263,876	331,871	69,172	374,858	421,694	69,654
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	25,618	13,227	21,723	31,152	10,480	11,707	49,587	284
ii	Other countries	44,631	19,799	34,919	—	618	55,369	8,728	24
	Total domestic and export shipments.	275,436	232,885	320,518	363,023	80,270	441,934	480,009	69,962
	Production (for sale only)	603,330	235,774	318,824	378,085	85,105	428,213	504,669	66,623
	Imports by producers (including conversion).	69,970	—	—	—	—	160	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12A. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Total cumulatif

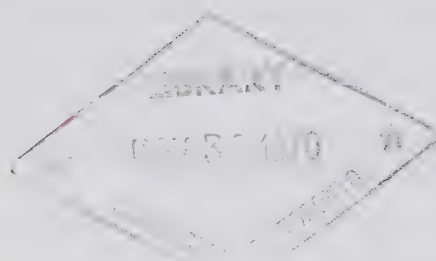
Plates including plates for pipes and tubes Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	Galvanized sheets — Tôles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
128,772	100,007	1,868	17,468	101,088	75,750	685,142	Commerce de gros et entrepôts — Centres de service de l'acier.	4a
12,035	13,810	1,357	—	10,871	—	65,356	Autres entrepôts	b
5,036	226,379	15,831	9,289	98,866	13,400	493,048	Industries de l'automobile et de l'aéronautique.	6
8,920	24,416	787	5,088	16,389	1,922	82,481	Agriculture	7
12,403	30,631	4,906	236	34,335	173,968	320,038	Entrepreneurs — Construction	8a
1,705	4,509	—	—	1,340	466	22,016	Construction — Travaux publics et service d'utilité publique.	b
146,571	22,056	5,247	395	5,460	18,859	611,637	Fabricants d'acier de charpente	c
251	3,724	337	—	322,549	913	329,328	Contenants	9
40,292	25,827	5,316	5,623	55,728	7,450	182,416	Machines et outils	10
3,060	11,494	300	1,384	10,491	1,143	335,258	Fil métallique, produits en fil métallique et attachés.	11
11,680	4,725	1	160	3,970	2,796	116,960	Industries des ressources naturelles et de l'extraction.	12
3,520	14,223	605	705	59,614	13,741	93,141	Appareils et ustensiles	13
18,254	29,334	2,633	1,677	85,431	16,717	266,022	Autres articles estampés et matricés ...	14
7,616	1,798	—	25	151	195	269,174	Matériel ferroviaire fixe	16
30,414	4,949	—	22	—	330	59,914	Matériel roulant de chemin de fer	17
36,564	3,912	195	43	54	—	45,446	Construction de navires	18
262,192	99,750	162,707	123	36,937	4,473	697,812	Tuyaux et tubes	19
516	86	—	265	6,412	286	39,101	Divers	20
729,801	621,630	202,090	42,503	849,686	332,409	4,714,290	Total, expéditions au pays	
—	—	—	—	13,058	—	13,058	Exportation — Pour transformation et retour.	5a
56,953	69,415	2,464	664	90,303	39,994	423,571	Autres exportation (vente)	b
2	18,284	—	109	79,857	6,095	268,435	É.-U.	i
							Autres pays	ii
786,756	709,329	204,554	43,276	1,032,904	378,498	5,419,354	Total, expéditions et exportation au pays.	
778,064	737,664	204,327	42,420	1,042,401	394,321	5,819,820	Production (pour la vente seulement)	
—	18,187	—	—	15,474	—	103,791	Importations par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

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SYMBOLS

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- .. figures not available.
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Note: The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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- r nombres rectifiés.

- x confidentiel en vertu des dispositions de la Loi sur la statistique relatives au secret

Nota: Les termes expéditions, expéditions nettes, utilisés dans cette publication, se rapportent aux expéditions des producteurs.

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TABLE 1. Pig Iron Capacity, January 1, 1970

TABEAU 1. Capacité de fonte en gueuses, 1^{er} janvier 1970

	In blast or in use — En activité		Banhed, blown out or idle — Vide, hors feu ou chômant	
	Furnaces — Fours	Annual capacity — Capacité annuelle	Furnaces — Fours	Annual capacity — Capacité annuelle
	No. — nomb.	net tons — tonnes nettes	No. — nomb.	net tons — tonnes nettes
Blast furnaces — Hauts fourneaux	14	9,005,000	1	150,000
Electric furnaces — Fours électriques	11	575,000	—	—
Total	25	9,580,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

TABEAU 2. Charges des hauts fourneaux de fer(1)

	August — 1970 — Août	Year to date — Total cumulatif
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Crude iron ore — Minerai de fer brut</u>		
From Canadian mines — Des mines canadiennes	16,039	121,049
From foreign mines — Des mines étrangères	28,396	222,847
Pyrite cinder — Cendre de pyrite	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.) — Minerai de fer sinter, bouletté, etc.)</u>		
From Canadian mines — Des mines canadiennes	720,738	6,634,008
From foreign mines — Des mines étrangères	186,809	1,195,074
From own processing — De propre traitement	99,287	771,362
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.)	23,157	189,951
Scrap iron and steel — Ferraille de fer et d'acier	14,425	101,287
Limestone — Pierre calcaire	56,721	545,801
Dolomite — Dolomie	40,512	317,684
Coke	379,995	3,128,015

(1) Does not include charges into furnaces used in the smelting of titanium ores. — Ne comprend pas les charges des fours utilisées pour l'affinage des minerais de titane.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Inclus avec les scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

TABLEAU 3. Production et expéditions de fonte en gueuses et de ferro-alliages

	1969		1970	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>August — Août</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	238,056	17,689	661,019	3,842
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	48,641	44,571 ^r	76,990	59,838
Malleable — Malléable	—	6,844 ^r	(3)	(3)
Pig iron — Total — Fonte en gueuses	286,697	69,104 ^r	738,009	63,680
Ferro-alloys — Ferro-alliages	16,564	10,968	15,788	17,383
Stocks of pig iron on hand at end of month — Stocks de fonte en gueuses à la fin du mois	188,553		289,092	
<u>Year to date — Total cumulatif</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	4,771,469	42,537	5,680,273	72,847
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	412,056	380,197 ^r	529,309	478,797
Malleable — Malléable	245,063	120,425 ^r	(3)	(3)
Pig iron — Total — Fonte en gueuses	5,428,588	543,159 ^r	6,209,582	551,644
Ferro-alloys — Ferro-alliages	132,277	136,809	135,264	145,751

- (1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine.
 (2) Includes the re-melt iron product produced in connection with the smelting of titanium ores. — Inclus les produits ferreux obtenus lors de l'affinage des minerais de titane.
 (3) Included with Foundry. — Inclus avec la fonderie.

TABLE 4. Steel Furnace Capacity, January 1, 1970

TABLEAU 4. Capacité des fours d'acier, 1^{er} janvier 1970

	Annual capacity — Capacité annuelle
net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Ingot — Lingots</u>	
Basic open hearth — Four à sole, marche basique	6,970,000
Electric — Four électrique	2,055,450
Basic oxygen furnace — Four à oxygène, marche basique	3,800,000
Ingot — Total — Lingots	12,825,450
Steel castings — Moulages d'acier	415,925
Ingot and castings — Total — Lingots et moulages	13,241,375

TABLE 5. Pig Iron and Scrap Charged to Steel Furnaces

TABLEAU 5. Charges de fonte en gueuses et de ferraille dans les fours d'acier

	August - Août		Year to date - Total cumulatif	
	1969	1970	1969	1970
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
Pig iron - Fonte en gueuses	215,811	668,179	4,541,277	5,496,869
Scrap - Ferraille:				
Own make - De propre fabrication	100,184	286,129	2,138,985	2,368,566
Purchased - Achetée	133,053	166,610	1,393,072	1,507,042
Pig iron and scrap - Total - Fonte en gueuses et ferraille	449,048	1,120,918	8,073,334	9,372,477

TABLE 6. Production and Shipments of Steel Ingots and Castings

TABLEAU 6. Production et expéditions de lingots et moulages d'acier

	1969		1970	
	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
<u>August - Août</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) - Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth - Four à sole, marche basique	274,474	21,661	850,094	16,897
Electric - Four électrique	113,053	20,103	119,080	32,147
Basic oxygen furnace - Four à oxygène, marche basique ...	(2)	(2)	(2)	(2)
Steel ingots - Total - Lingots d'acier	387,527 ^r	41,764	969,174	49,044
Continuous cast steel included in above - Moulages d'acier de coulée continue déclarés ci-dessus	65,262	x	100,292	x
Alloy steel ingots included in above - Lingots d'acier allié déclarés ci-dessus	22,279 ^r	x	104,391	x
<u>Steel castings (both carbon and alloy) - Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth - Four à sole, marche basique	-	-	-	-
Electric - Four électrique	10,628	11,608	14,709	12,680
Basic oxygen furnace - Four à oxygène, marche basique ...	-	-	-	-
Steel castings - Total - Moulages d'acier	10,628	11,608	14,709	12,680
<u>Alloy steel castings included in above - Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese, and abrasion resistant - Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	555	280	417	317
Manganese and abrasive resistant - Acier au manganèse et alliage résistant à l'abrasion	1,568	1,924	1,934	1,927
All other alloys - Tous autres alliages	934	814	849	846
Alloy castings - Total - Moulages d'acier allié	3,057	3,018	3,200	3,090

(1) Includes amounts for sale and for own use. - Inclus les quantités fabriquées pour vente et pour usage à l'usine. (2) Included with "Basic open hearth". - Inclus avec les moulages de "Four à sole, marche basique". (3) Included with "Electric". - Inclus avec "Four électrique".

TABLE 6A. Production and Shipments of Steel Ingots and Castings
TABLEAU 6A. Production et expéditions de lingots et moulages d'acier

	1969		1970	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>Year to date — Total cumulatif</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth — Four à sole, marche basique	6,212,744 ^r	131,664	7,089,105	114,601
Electric — Four électrique	1,028,362	178,162	1,079,591	208,808
Basic oxygen furnace — Four à oxygène, marche basique	(2)	(2)	(2)	(2)
Steel ingots — Total — Lingots d'acier	7,241,106 ^r	309,826	8,168,696	323,409
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus	818,205	x	934,896	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	585,121 ^r	x	679,618	x
<u>Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth — Four à sole, marche basique	—	—	(3)	—
Electric — Four électrique	102,130	100,970	121,265	115,329
Basic oxygen furnace — Four à oxygène, marche basique	—	—	—	—
Steel castings — Total — Moulages d'acier	102,130	100,970	121,265	115,329
<u>Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistants à l'abrasion	5,123	3,038	5,278	3,456
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion	15,491	16,863	17,282	17,772
All other alloys — Tous autres alliages	7,139	6,836	6,242	6,543
Alloy castings — Total — Moulages d'acier allié	27,753	26,737	28,802	27,771

See footnote(s) at end of Table 6. — Voir renvoi(s) à la fin du Tableau 6.

TABLE 7. Disposition of Shipments(1) of Steel Castings
TABLEAU 7. Écoulement des expéditions(1) de moulages d'acier

	August - 1970 - Août		Year to date — Total cumulatif	
	Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
Wholesalers and warehouses — Commerce de gros et entrepôts	—	3	—	34
Export — Exportation	1,297	143	11,451	2,242
Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	520	—	4,454	—
Agricultural(2) — Agriculture(2)	56	47	740	244
Construction(3)	25	191	652	2,106
Machinery and tools — Machines et outils	1,160	453	13,319	4,140
Natural resources and extractive industries(4) — Industries des ressources naturelles et de l'extraction(4)	757	1,581	7,352	12,756
Railway operating — Matériel ferroviaire fixe	3,288	128	30,221	1,869
Railroad cars and locomotives — Matériel roulant de chemin de fer	2,259	261	17,287	1,920
Shipbuilding — Construction de navires	39	8	462	68
Miscellaneous(5) — Divers(5)	189	275	1,620	2,392
Total	9,590	3,090	87,558	27,771

(1) (a) Compiled by principal consuming industries according to the Steel Distribution Index revised January 1964. — Compilé par les principales industries de consommation, d'après le Steel Distribution Index révisé en janvier 1964. (b) Includes producers' own-make castings allocated to appropriate consuming industry. — Inclus les moulages d'acier de propre fabrication des fabricants affectés à l'industrie de consommation appropriée. (2) Including implement and equipment manufacturers. — Y compris les fabricants d'instruments et de matériel agricoles. (3) Including public works, public utilities and structural steel fabricators. — Y compris les travaux publics, les services d'utilité publique et les fabricants d'acier de charpente. (4) Including mining, lumbering, quarrying, oil and gas, including refineries, etc. — Y compris l'industrie minière, l'exploitation du bois-d'oeuvre, les carrières, le pétrole et le gaz, et les raffineries, etc. (5) Including grinding balls and railway car wheels. — Y compris les broyeurs à boulets et les roues des voitures et wagons de chemin de fer.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

TABEAU 8. Production mensuelle de fonte en gueuses, de ferro-alliages et de lingots et moulages d'acier

	Pig iron — Fonte en gueuses	Ferro- alloys — Ferro- alliages	Steel — Acier		
			Ingots — Lingots	Castings — Moulages	Steel — Total — Acier
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>1969</u>					
January — Janvier	708,626	14,822	986,844	11,731	998,575
February — Février	647,814	16,029	899,685	12,554	912,239
March — Mars	768,830	17,506	1,022,559	13,398	1,035,957
April — Avril	774,949	17,889	1,012,947	14,239	1,027,186
May — Mai	782,891	15,862	1,013,833	15,033	1,028,866
June — Juin	726,491	18,453	974,843	13,888	988,731
July — Juillet	732,290	15,152	942,868	10,659	953,527
August — Août	286,697	16,564	387,527	10,628	398,155
September — Septembre	295,861	19,750	408,395	12,527	420,922
October — Octobre	357,217	15,033	529,862	12,750	542,612
November — Novembre	645,936	16,674	948,236	12,684	960,920
December — Décembre	733,617	20,570	1,024,247	14,615	1,038,862
Total	7,461,219	204,304	10,151,846	154,706	10,306,552
<u>1970</u>					
January — Janvier	788,315	15,124	1,042,829	14,136	1,056,965
February — Février	722,075	15,534	973,253	14,973	988,226
March — Mars	815,211	19,017	1,078,812	15,718	1,094,530
April — Avril	783,074	16,645	1,037,231	16,911	1,054,142
May — Mai	815,498	15,627	1,063,555	16,511	1,080,066
June — Juin	777,667	19,689	1,017,287	17,091	1,034,378
July — Juillet	770,733	17,840	986,555	11,216	997,771
August — Août	738,009	15,788	969,174	14,709	983,883
September — Septembre					
October — Octobre					
November — Novembre					
December — Décembre					
Total					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

TABLEAU 9. Production et expéditions de tuyaux, tubes et raccords en acier

	1969		1970	
	Tonnage made (1) — Tonnes fabriquées (1)	Tonnage shipped — Tonnes expédiées	Tonnage made (1) — Tonnes fabriquées (1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>August — Août</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	19,684	24,868	19,153	22,258
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	28,354	29,461	58,177	64,574
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	18,239	18,862	15,590	16,485
Total	66,277	73,191	92,920	103,317
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	73	106	144	198
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	469	558	473	458
Total	542	664	617	656
<u>Year to date — Total cumulatif</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	195,049	194,647	201,149	178,468
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	370,130	385,773	381,455	357,253
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	160,288	163,070	163,545	157,580
Total	725,467	743,490	746,149	693,301
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	747	833	822	1,251
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	4,633	4,963	4,926	5,415
Total	5,380	5,796	5,748	6,666

(1) Included with "Other." — Inclus avec "Autre."

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

TABLEAU 10. Production et écoulement des expéditions de produits de lingots et laminages d'acier

	Production	Imports — Importations	All shipments — Total (1) — Des expéditions	Shipments for further processing (1) — Expéditions pour traitement ultérieur (1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
<u>August — 1970 — Août</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	62,429	—	50,492	36,927	13,565
For forging and piercing — Pour forgeage et perforation	25,111	—	17,065	...	17,065
Rails	20,618	—	20,473	...	20,473
Wire rods — Fils machine	52,369	—	53,913	1,045	52,868
Structural shapes — Profilés de charpente:					
Heavy — Lourds	60,241	—	52,117	251	51,866
Bar-sized shapes — De la grosseur d'une barre ...	6,375	—	11,737	...	11,737
Concrete reinforcing bars — Barres d'armature ou ronds à béton	56,941	—	64,385	204	64,181
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	3,197	—	9,154	1,156	42,258
Other — Autres	34,517	—	34,260		
Tie plates and track material — Selles d'appui et matériel de voies ferrées					
Angle bars — Cornières	—	—	125	...	125
Tie plates — Selles d'appui	6,769	—	6,501	...	6,501
Track spikes — Crampons de traverses de chemin de fer	863	—	965	...	965
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	95,002	—	97,733	29	97,704
Hot rolled sheets — Tôles laminées à chaud	102,198	—	98,210	4,741	93,469
Hot rolled strip — Feuillard laminé à chaud	34,366	—	34,028	...	34,028
Hot rolled products — Total — Produits laminés à chaud	560,996	—	551,158	44,353	506,805
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	4,239	—	4,597	...	4,597
Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	137,803	—	135,780	2,938	132,842
Galvanized sheets — Tôles galvanisées	54,187	—	53,780	318	53,462
Cold rolled and coated — Total — Laminés à froid et revêtus	196,229	—	194,157	3,256	190,901
Carbon steel — Total — Acier au carbone ...	757,225	—	745,315	47,609	697,706
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	6,892	—	6,892	...	6,892
Alloy plates — Plaques d'alliage	9,892	—	9,892	...	9,892
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	20,872	—	20,765	20	20,745
Cold finished bars — Barres étirées à froid	175	—	160	...	160
Wire rods — Fils machine	987	—	987	...	987
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillards laminés à chaud et à froid, autres laminés à froid	7,014	1,356	9,401	...	9,401
Alloy steel — Total — Acier allié	45,832	1,356	48,097	20	48,077

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

TABLEAU 10A. Production et écoulement des expéditions de lingots et de laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>Year to date — Total cumulatif</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	438,246	69,970	394,524	317,458	77,066
For forging and piercing — Pour forgeage et perforation	212,065	—	188,441	...	188,441
Rails	256,392	—	253,358	...	253,358
Wire rods — Fils machine	366,944	—	372,964	3,827	369,137
Structural shapes — Profilés de charpente:					
Heavy — Lourds	438,326	—	415,291	402	414,889
Bar-sized shapes — De la grosseur d'une barre ...	91,480	—	92,007	...	92,007
Concrete reinforcing bars — Barre d'armature ou ronds à béton	485,154	160	507,588	1,473	506,115
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	85,666	—	85,666)	15,793	392,596
Other — Autres	327,166	—	322,723)		
Tie plates and track material — Selles d'appui et matériel de voies ferrées					
Angle bars — Cornières	5,749	—	6,038	...	6,038
Tie plates — Selles d'appui	58,107	—	61,114	...	61,114
Track spikes — Crampons de traverses de chemin de fer	10,399	—	10,401	...	10,401
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	808,417	—	819,888	77	819,811
Hot rolled sheets — Tôles laminées à chaud	833,827	18,187	828,862	32,099	796,763
Hot rolled strip — Feuillard laminé à chaud	238,693	—	238,925	343	238,582
Hot rolled products — Total — Produits laminés à chaud	4,656,631	88,317	4,597,790	371,472	4,226,318
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	42,718	—	43,925	...	43,925
Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard laminés à froid autres laminés à froid et revêtus (excluant l'étain)	1,133,879	—	1,126,541	28,893	1,097,648
Galvanized sheets — Tôles galvanisées	448,508	—	433,708	1,748	431,960
Cold rolled and coated — Total — Laminés à froid et revêtus	1,625,105	—	1,604,174	30,641	1,573,533
Carbon steel — Total — Acier au carbone ...	6,281,736	88,317	6,201,964	402,113	5,799,851
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	47,451	—	47,451	...	47,451
Alloy plates — Plaques d'alliage	74,541	—	74,541	...	74,541
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	150,423	—	150,915	499	150,416
Cold finished bars — Barres étirées à froid	4,116	—	4,108	...	4,108
Wire rods — Fils machine	5,236	—	5,240	4	5,236
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autres laminés à froid	59,374	16,830	83,534	...	83,534
Alloy steel — Total — Acier allié	341,141	16,830	365,789	503	365,286

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

TABLEAU 11. Écoulement des expéditions nettes(1) de produits de laminages d'acier

SDI No. — N° du SDI		August - 1970 - Août		Year to date — Total cumulatif	
		Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
		net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
4a	Wholesalers and warehouses - Steel service centres - Commerce de gros et entrepôts - Centres de service de l'acier	80,787	1,871	746,303	21,497
b	Other warehouses - Autres entrepôts	9,016	—	74,209	163
6	Automotive and aircraft industries - Industries de l'automobile et de l'aéronautique	64,184	10,719	477,647	90,304
7	Agricultural - Agriculture	8,136	245	88,012	2,850
8a	Contractors - Building - Entrepreneurs - Construction	42,706	30	360,803	1,971
b	Construction - Public and utility - Travaux publics et service d'utilité publique	2,514	—	24,518	12
c	Structural steel fabricators - Fabricants d'acier de charpente	85,272	2,041	670,022 (2)	16,727
9	Containers - Conteneurs	40,920	10	370,134	124
10	Machinery and tools - Machines et outils	18,837	3,168	176,269	28,152
11	Wire, wire products and fasteners - Fil métallique, produits en fil métallique et attaches	41,888	1,075	363,377	14,844
12	Natural resources and extractive industries - Ressources naturelles et industries de l'extraction	14,524	7,333	112,594	26,223
13	Appliances and utensils - Appareils et ustensiles	10,647	167	102,634	1,321
14	Other metal stamping and pressing - Autres articles estampés et matricés	32,857	1,857	284,653	16,083
16	Railway operating - Matériel ferroviaire fixe	25,475	35	293,161	1,523
17	Railroad cars and locomotives - Matériel roulant de chemin de fer	9,105	4,583	53,441	20,161
18	Shipbuilding - Construction de navires	3,541	79	42,893	6,173
19	Pipes and tubes - Tuyaux et tubes	87,557	5,407	754,599	36,177
20	Miscellaneous - Divers	4,545	198	42,172	1,672
	Domestic shipments - Total - Expéditions au pays	582,511	38,818	5,037,441 (2)	285,977
5a	Export - For conversion and return - Exportation - Pour transformation et retour	—	1,431	—	14,489
b	Other export (for final sale) - Autres exportations (vente)				
i	USA - É.-U.	75,838	5,477	457,762	47,124
ii	Other countries - Autres pays	39,357	2,351	304,648 (2)	17,696
	Domestic and export shipments - Total - Expéditions et exportation au pays	697,706	48,077	5,799,851	365,286
	Production (for sale only) - Production (pour la vente seulement)	757,225	45,832	6,281,736	341,141
	Imports by producers (including conversion) - Importation par les fabricants (y compris la transformation)	—	1,356	88,317	16,830

(1) Compiled by principal consuming industries according to the "Steel Distribution Index", revised January 1964. - Compilé par les principales industries de consommation d'après le Steel Distribution Index révisé en janvier 1964.

(2) Includes revisions for year to date. - Comprend les chiffres rectifiés de l'année à ce jour.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

August 1970

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machine	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	—	472	—	9,783	2,571	18,646	6,801	69
b	Other warehouses	—	109	—	3,107	731	20	405	28
6	Automotive and aircraft industries	3,396	—	163	47	22	—	15,719	—
7	Agricultural	—	—	—	450	534	—	2,192	—
8a	Contractors — Building	—	220	—	619	28	7,495	353	57
b	Construction — Public and utility	—	—	—	765	—	719	124	8
c	Structural steel fabricators	70	46	949	27,544	5,434	22,821	4,516	1
9	Containers	—	—	—	—	—	—	1	—
10	Machinery and tools	—	—	333	763	500	22	2,637	—
11	Wire, wire products and fasteners	332	—	32,345	—	109	17	6,032	476
12	Natural resources and extractive industries.	594	921	—	223	42	2,466	14,705	136
13	Appliances and utensils	—	—	—	46	13	—	56	—
14	Other metal stamping and pressing	940	—	91	357	393	11,158	3,504	—
16	Railway operating	—	17,763	—	466	7	—	174	6,773
17	Railroad cars and locomotives	2,413	13	—	719	31	—	435	—
18	Shipbuilding	—	—	—	289	24	—	48	—
19	Pipes and tubes	12,912	—	1	—	—	—	3	—
20	Miscellaneous	2,480	—	166	42	17	207	170	—
	Total domestic shipments	23,137	19,544	34,048	45,220	10,456	63,571	57,875	7,548
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	11,053	909	5,514	6,643	1,222	253	4,483	—
ii	Other countries	3,332	20	14,293	3	59	357	645	43
	Total domestic and export shipments.	37,522	20,473	53,855	51,866	11,737	64,181	63,003	7,591
	Production (for sale only)	94,432	20,618	53,356	60,241	6,375	56,941	58,586	7,632
	Imports by producers (including conversion).	—	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Août 1970

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	Galvanized sheets — Tôles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
13,782	10,841	248	1,330	10,034	8,081	82,658	Commerce de gros et entrepôts - Centres de service de l'acier.	4a
1,572	1,461	76	—	1,507	—	9,016	Autres entrepôts	b
793	34,173	2,066	1,452	15,168	1,904	74,903	Industries de l'automobile et de l'aéronautique.	6
889	1,512	(- 7)	469	2,312	30	8,381	Agriculture	7
865	3,191	285	16	4,218	25,389	42,736	Entrepreneurs - Construction	8a
702	102	—	—	94	—	2,514	Construction - Travaux publics et service d'utilité publique.	b
18,463	2,337	1,046	67	539	3,480	87,313	Fabricants d'acier de charpente	c
225	519	61	—	39,942	182	40,930	Contenants	9
5,505	4,105	421	761	6,087	871	22,005	Machines et outils	10
450	1,863	8	161	1,126	44	42,963	Fil métallique, produits en fil métallique et attaches.	11
1,472	553	16	19	573	137	21,857	Industries des ressources naturelles et de l'extraction.	12
715	1,269	116	139	7,204	1,256	10,814	Appareils et ustensiles	13
2,583	3,433	329	200	9,890	1,836	34,714	Autres articles estampés et matricés ...	14
196	77	—	40	—	14	25,510	Matériel ferroviaire fixe	16
9,418	655	—	4	—	—	13,688	Matériel roulant de chemin de fer	17
2,965	261	—	5	28	—	3,620	Construction de navires	18
36,943	8,786	28,391	26	5,618	284	92,964	Tuyaux et tubes	19
719	20	—	20	880	22	4,743	Divers	20
98,257	75,158	33,056	4,709	105,220	43,530	621,329	Total, expéditions au pays	
—	—	—	—	1,431	—	1,431	Exportation - Pour transformation et retour.	5a
9,339	15,223	972	31	17,681	7,992	81,315	Autres exportation (vente)	b
—	3,619	—	17	17,380	1,940	41,708	É.-U.	i
							Autres pays	ii
107,596	94,000	34,028	4,757	141,712	53,462	745,783	Total, expéditions et exportation au pays.	
104,894	102,729	34,366	4,414	144,286	54,187	803,057	Production (pour la vente seulement)	
—	—	—	—	1,356	—	1,356	Importation par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Year to date

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machines	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	59	1,895	110	79,340	25,613	115,550	75,500	464
b	Other warehouses	—	1,651	—	18,112	5,000	1,184	5,324	412
6	Automotive and aircraft industries	23,138	—	632	705	387	41	118,691	—
7	Agricultural	20	—	110	3,073	3,755	6	21,171	—
8a	Contractors — Building	13	240	1,539	5,029	327	61,256	3,794	133
b	Construction — Public and utility	2	—	—	4,424	19	10,162	989	16
c	Structural steel fabricators	1,217	633	5,160	241,545	36,097	128,900(2)	48,615(2)	62
9	Containers	—	—	—	—	—	—	1,555	—
10	Machinery and tools	24	55	11,348	8,374	2,143	285	24,203	3
11	Wire, wire products and fasteners	5,284	—	275,630	70	2,506	355	58,450	4,402
12	Natural resources and extractive industries.	3,611	7,654	—	4,058	198	11,507	83,595	2,092
13	Appliances and utensils	—	—	—	200	147	22	479	—
14	Other metal stamping and pressing	3,181	405	1,541	2,009	2,497	92,863	25,897	26
16	Railway operating	38	206,852	—	2,399	454	—	5,340	69,489
17	Railroad cars and locomotives	20,339	13	—	4,134	145	—	3,177	2
18	Shipbuilding	67	5	—	3,517	203	1	1,246	—
19	Pipes and tubes	143,188	—	537	—	(- 50)	817	54	—
20	Miscellaneous	28,143	—	1,317	102	187	3,239	1,529	101
	Total domestic shipments	228,324	219,403	297,924	377,091	79,628	426,188(2)	479,609(2)	77,202
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	36,671	14,136	27,237	37,795	11,702	11,960	54,070	284
ii	Other countries	47,963	19,819	49,212	3	677	67,967(2)	9,333(2)	67
	Total domestic and export shipments.	312,958	253,358	374,373	414,889	92,007	506,115	543,012	77,553
	Production (for sale only)	697,762	256,392	372,180	438,326	91,480	485,154	563,255	74,255
	Imports by producers (including conversion).	69,970	—	—	—	—	160	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

(2) Includes revisions for year to date.

TABLEAU 12A. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Total cumulatif

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	Galvanized sheets — Tôles galvanisées	Total		Nº du SDI
tonnes nettes de 2,000 livres								
142,554	110,848	2,116	18,798	111,122	83,831	767,800	Commerce de gros et entrepôts — Centres de service de l'acier.	4a
13,607	15,271	1,433	—	12,378	—	74,372	Autres entrepôts	b
5,829	260,552	17,897	10,741	114,034	15,304	567,951	Industries de l'automobile et de l'aéronautique.	6
9,809	25,928	780	5,557	18,701	1,952	90,862	Agriculture	7
13,268	33,822	5,191	252	38,553	199,357	362,774	Entrepreneurs — Construction	8a
2,407	4,611	—	—	1,434	466	24,530	Construction — Travaux publics et service d'utilité publique.	b
165,034	24,393	6,293	462	5,999	22,339	686,749(2)	Fabricants d'acier de charpente	c
476	4,243	398	—	362,491	1,095	370,258	Contenants	9
45,797	29,932	5,737	6,384	61,815	8,321	204,421	Machines et outils	10
3,510	13,357	308	1,545	11,617	1,187	378,221	Fil métallique, produits en fil métallique et attachés.	11
13,152	5,278	17	179	4,543	2,933	138,817	Industries des ressources naturelles et de l'extraction.	12
4,235	15,492	721	844	66,818	14,997	103,955	Appareils et ustensiles	13
20,837	32,767	2,962	1,877	95,321	18,553	300,736	Autres articles estampés et matricés ...	14
7,812	1,875	—	65	151	209	294,684	Matériel ferroviaire fixe	16
39,832	5,604	—	26	—	330	73,602	Matériel roulant de chemin de fer	17
39,529	4,173	195	48	82	—	49,066	Construction de navires	18
299,135	108,536	191,098	149	42,555	4,757	790,776	Tuyaux et tubes	19
1,235	106	—	285	7,292	308	43,844	Divers	20
828,058	696,788	235,146	47,212	954,906	375,939	5,323,418(2)	Total, expéditions au pays	
—	—	—	—	14,489	—	14,489	Exportation — Pour transformation et retour.	5a
66,292	84,638	3,436	695	107,984	47,986	504,886	Autres exportation (vente)	b
2	21,903	—	126	97,237	8,035	322,344(2)	É.-U.	i
							Autres pays	ii
894,352	803,329	238,582	48,033	1,174,616	431,960	6,165,137	Total, expéditions et exportation au pays.	
882,958	840,393	238,693	46,834	1,186,687	448,508	6,622,877	Production (pour la vente seulement)	
—	18,187	—	—	16,830	—	105,147	Importations par les fabricants (y compris la transformation).	

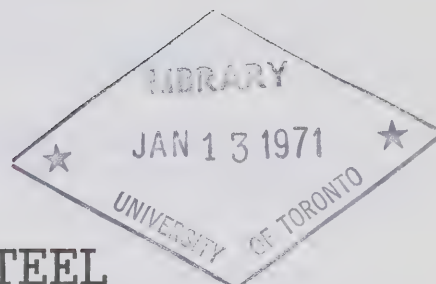
(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

(2) Comprend les chiffres rectifiés de l'année à ce jour.

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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications.

- .. figures not available.
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- nil or zero.
- amount too small to be expressed.
- P preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

Note: The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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- .. nombres indisponibles.
- ... n'ayant pas lieu de figurer.
- néant ou zéro.
- nombres infimes.
- P nombres provisoires.
- r nombres rectifiés.

- x confidentiel en vertu des dispositions de la Loi sur la statistique relatives au secret

Nota: Les termes expéditions, expéditions nettes, utilisés dans cette publication, se rapportent aux expéditions des producteurs.

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TABLE 1. Pig Iron Capacity, January 1, 1970

TABLEAU 1. Capacité de fonte en gueuses, 1^{er} janvier 1970

	In blast or in use — En activité		Banhed, blown out or idle — Vide, hors feu ou chômant	
	Furnaces — Fours	Annual capacity — Capacité annuelle	Furnaces — Fours	Annual capacity — Capacité annuelle
	No. — nomb.	net tons — tonnes nettes	No. — nomb.	net tons — tonnes nettes
Blast furnaces — Hauts fourneaux	14	9,005,000	1	150,000
Electric furnaces — Fours électriques	11	575,000	—	—
Total	25	9,580,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

TABLEAU 2. Charges des hauts fourneaux de fer(1)

	September — 1970 — Septembre	Year to date — Total cumulatif
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Crude iron ore — Minerai de fer brut</u>		
From Canadian mines — Des mines canadiennes	15,214	136,263
From foreign mines — Des mines étrangères	18,535	195,310(3)
Pyrite cinder — Cendre de pyrite	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.) — Minerai de fer sinter, bouletté, etc.)</u>		
From Canadian mines — Des mines canadiennes	777,380	7,359,727(3)
From foreign mines — Des mines étrangères	97,154	1,292,228
From own processing — De propre traitement	91,912	863,274
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.)	22,118	212,069
Scrap iron and steel — Ferraille de fer et d'acier	14,277	114,826(3)
Limestone — Pierre calcaire	39,010	584,811
Dolomite — Dolomie	35,925	353,609
Coke	360,614	3,454,447(3)

(1) Does not include charges into furnaces used in the smelting of titanium ores. — Ne comprend pas les charges des fours utilisées pour l'affinage des minerais de titane.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Inclus avec les scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.).

(3) Includes revisions for year to date. -- Inclus les chiffres rectifiés de l'année à ce jour.

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

TABLEAU 3. Production et expéditions de fonte en gueuses et de ferro-alliages

	1969		1970	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>September — Septembre</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	242,080	14,701	636,807	3,491
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	53,781	55,367r 8,802r	66,921 (3)	106,241 (3)
Malleable — Malléable	—	—	—	—
Pig iron — Total — Fonte en gueuses	295,861	78,870	703,728	109,732
Ferro-alloys — Ferro-alliages	19,750	15,326	19,827	20,908
Stocks of pig iron on hand at end of month — Stocks de fonte en gueuses à la fin du mois	189,646	—	250,573	—
<u>Year to date — Total cumulatif</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	5,013,549	57,238	6,274,593(4)	41,012(4)
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	465,837	435,564r	596,230	585,032(4)
Malleable — Malléable	245,063	129,227r	(3)	(3)
Pig iron — Total — Fonte en gueuses	5,724,449	622,029r	6,870,823(4)	626,044(4)
Ferro-alloys — Ferro-alliages	152,027	152,135	155,091	166,659

(1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores. — Inclus les produits
ferreux obtenus lors de l'affinage des minerais de titane.

(3) Included with "Foundry". -- Inclus avec "La fonderie".

(4) Includes revisions for year to date. -- Inclus les chiffres rectifiés de l'année à ce jour.

TABLE 4. Steel Furnace Capacity, January 1, 1970

TABLEAU 4. Capacité des fours d'acier, 1^{er} janvier 1970

	Annual capacity — Capacité annuelle
net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Ingots — Lingots</u>	
Basic open hearth — Four à sole, marche basique	6,970,000
Electric — Four électrique	2,055,450
Basic oxygen furnace — Four à oxygène, marche basique	3,800,000
Ingots — Total — Lingots	12,825,450
Steel castings — Moulages d'acier	415,925
Ingots and castings — Total — Lingots et moulages	13,241,375

TABLE 5. Pig Iron and Scrap Charged to Steel Furnaces

TABLEAU 5. Charges de fonte en gueuses et de ferraille dans les fours d'acier

	September - Septembre		Year to date - Total cumulatif	
	1969	1970	1969	1970
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
Pig iron - Fonte en gueuses	216,754	623,667	4,758,031	6,120,536
Scrap - Ferraille:				
Own make - De propre fabrication	103,897	296,103	2,242,882	2,664,668
Purchased - Achetée	158,423	194,936	1,551,495	1,701,979
Pig iron and scrap - Total - Fonte en gueuses et ferraille	479,074	1,114,706	8,552,408	10,487,183

TABLE 6. Production and Shipments of Steel Ingots and Castings

TABLEAU 6. Production et expéditions de lingots et moulages d'acier

	1969		1970	
	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
September - Septembre				
Steel ingots (both carbon and alloy, and including continuous cast steel) - Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)				
Basic open hearth - Four à sole, marche basique	272,096 ⁽¹⁾	16,371	815,016	21,438
Electric - Four électrique	136,299	19,970	141,930	25,778
Basic oxygen furnace - Four à oxygène, marche basique ...	(2)	(2)	(2)	(2)
Steel ingots - Total - Lingots d'acier	408,395 ⁽¹⁾	36,341	956,946	47,216
Continuous cast steel included in above - Moulages d'acier de coulée continue déclarés ci-dessus	84,089	x	110,892	x
Alloy steel ingots included in above - Lingots d'acier allié déclarés ci-dessus	26,433 ⁽¹⁾	x	96,441	x
Steel castings (both carbon and alloy) - Moulages d'acier (acier au carbone et acier allié)				
Basic open hearth - Four à sole, marche basique	-	-	-	-
Electric - Four électrique	12,527	13,313	17,328	18,009
Basic oxygen furnace - Four à oxygène, marche basique ...	-	-	-	-
Steel castings - Total - Moulages d'acier	12,527	13,313	17,328	18,009
Alloy steel castings included in above - Moulages d'acier allié déclarés ci-dessus				
High alloy, except manganese, and abrasion resistant - Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	637	342	551	390
Manganese and abrasive resistant - Acier au manganèse et alliage résistant à l'abrasion	2,166	2,160	2,461	2,340
All other alloys - Tous autres alliages	938	1,016	766	990
Alloy castings - Total - Moulages d'acier allié	3,741	3,518	3,778	3,720

(1) Includes amounts for sale and for own use. - Inclus les quantités fabriquées pour vente et pour usage à l'usine. (2) Included with "Basic open hearth". - Inclus avec les moulages de "Four à sole, marche basique". (3) Included with "Electric". - Inclus avec "Four électrique".

TABLE 6A. Production and Shipments of Steel Ingots and Castings
TABLEAU 6A. Production et expéditions de lingots et moulages d'acier

	1969		1970	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
Year to date — Total cumulatif				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth — Four à sole, marche basique	6,484,840 ^r	148,035	7,904,121	136,039
Electric — Four électrique	1,164,661	198,132	1,221,521	234,586
Basic oxygen furnace — Four à oxygène, marche basique	(2)	(2)	(2)	(2)
Steel ingots — Total — Lingots d'acier	7,649,501 ^r	346,167	9,125,642	370,625
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus	902,294	x	1,045,788	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	611,554 ^r	x	776,059	x
<u>Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth — Four à sole, marche basique	—	—	(3)	—
Electric — Four électrique	114,657	114,283	138,593	133,338
Basic oxygen furnace — Four à oxygène, marche basique	—	—	—	—
Steel castings — Total — Moulages d'acier	114,657	114,283	138,593	133,338
Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus				
High alloy, except manganese and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistants à l'abrasion	5,760	3,380	5,829	3,846
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion	17,657	19,023	19,743	20,112
All other alloys — Tous autres alliages	8,077	7,852	7,008	7,533
Alloy castings — Total — Moulages d'acier allié	31,494	30,255	32,580	31,491

See footnote(s) at end of Table 6. — Voir renvoi(s) à la fin du Tableau 6.

TABLE 7. Disposition of Shipments(1) of Steel Castings
TABLEAU 7. Écoulement des expéditions(1) de moulages d'acier

	September — 1970 — Septembre		Year to date — Total cumulatif	
	Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
Wholesalers and warehouses — Commerce de gros et entrepôts	—	4	—	38
Export — Exportation	813	255	12,264	2,497
Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	615	—	5,069	—
Agricultural(2) — Agriculture(2)	61	43	801	287
Construction(3)	26	178	678	2,284
Machinery and tools — Machines et outils	1,956	695	15,275	4,835
Natural resources and extractive industries(4) — Industries des ressources naturelles et de l'extraction(4)	835	1,635	8,187	14,391
Railway operating — Matériel ferroviaire fixe	6,833	200	37,054	2,069
Railroad cars and locomotives — Matériel roulant de chemin de fer	2,833	376	20,120	2,296
Shipbuilding — Construction de navires	93	5	555	73
Miscellaneous(5) — Divers(5)	224	329	1,844	2,721
Total	14,289	3,720	101,847	31,491

(1) (a) Compiled by principal consuming industries according to the Steel Distribution Index revised January 1964. — Compilé par les principales industries de consommation, d'après le Steel Distribution Index révisé en janvier 1964. (b) Includes producers' own-make castings allocated to appropriate consuming industry. — Inclut les moulages d'acier de propre fabrication des fabricants affectés à l'industrie de consommation appropriée. (2) Including implement and equipment manufacturers. — Y compris les fabricants d'instruments et de matériel agricoles. (3) Including public works, public utilities and structural steel fabricators. — Y compris les travaux publics, les services d'utilité publique et les fabricants d'acier de charpente. (4) Including mining, lumbering, quarrying, oil and gas, including refineries, etc. — Y compris l'industrie minière, l'exploitation du bois-d'oeuvre, les carrières, le pétrole et le gaz, et les raffineries, etc. (5) Including grinding balls and railway car wheels. — Y compris les broyeurs à boulets et les roues des voitures et wagons de chemin de fer.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

TABEAU 8. Production mensuelle de fonte en gueuses, de ferro-alliages et de lingots et moulages d'acier

	Pig iron — Fonte en gueuses	Ferro- alloys — Ferro- alliages	Steel — Acier		
			Ingots — Lingots	Castings — Moulages	Steel — Total — Acier
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>1969</u>					
January — Janvier	708,626	14,822	986,844	11,731	998,575
February — Février	647,814	16,029	899,685	12,554	912,239
March — Mars	768,830	17,506	1,022,559	13,398	1,035,957
April — Avril	774,949	17,889	1,012,947	14,239	1,027,186
May — Mai	782,891	15,862	1,013,833	15,033	1,028,866
June — Juin	726,491	18,453	974,843	13,888	988,731
July — Juillet	732,290	15,152	942,868	10,659	953,527
August — Août	286,697	16,564	387,527	10,628	398,155
September — Septembre	295,861	19,750	408,395	12,527	420,922
October — Octobre	357,217	15,033	529,862	12,750	542,612
November — Novembre	645,936	16,674	948,236	12,684	960,920
December — Décembre	733,617	20,570	1,024,247	14,615	1,038,862
Total	7,461,219	204,304	10,151,846	154,706	10,306,552
<u>1970</u>					
January — Janvier	788,315	15,124	1,042,829	14,136	1,056,965
February — Février	722,075	15,534	973,253	14,973	988,226
March — Mars	815,211	19,017	1,078,812	15,718	1,094,530
April — Avril	783,074	16,645	1,037,231	16,911	1,054,142
May — Mai	815,498	15,627	1,063,555	16,511	1,080,066
June — Juin	777,667	19,689	1,017,287	17,091	1,034,378
July — Juillet	770,733	17,840	986,555	11,216	997,771
August — Août	738,009	15,788	969,174	14,709	983,883
September — Septembre	703,728	19,827	956,946	17,328	974,274
October — Octobre					
November — Novembre					
December — Décembre					
Total					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

TABEAU 9. Production et expéditions de tuyaux, tubes et raccords en acier

	1969		1970	
	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>September — Septembre</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	20,790	25,632	24,325	25,355
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	20,989	21,375	44,438	51,632
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	18,292	15,837	21,696	21,336
Total	60,071	62,844	90,459	98,323
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	80	91	255	294
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	496	578	525	620
Total	576	669	780	914
<u>Year to date — Total cumulatif</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	215,839	220,279	225,474	203,823
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	391,119	407,148	425,893	408,885
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	178,580	178,907	185,241	178,916
Total	785,538	806,334	836,608	791,624
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	827	924	1,077	1,545
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	5,129	5,541	5,451	6,035
Total	5,956	6,465	6,528	7,580

(1) Included with "Other". — Inclus avec "Autre".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

TABLEAU 10. Production et écoulement des expéditions de produits de lingots et laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
September — 1970 — Septembre					
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
Carbon steel — Acier au carbone					
Hot rolled — Laminé à chaud					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	58,008	—	77,006	41,301	35,705
For forging and piercing — Pour forgeage et perforation	24,179	—	18,934	...	18,934
Rails	19,827	—	21,321	...	21,321
Wire rods — Fils machine	46,718	—	47,086	457	46,629
Structural shapes — Profilés de charpente:					
Heavy — Lourds	52,294	—	54,646	652	53,994
Bar-sized shapes — De la grosseur d'une barre ...	11,432	—	8,277	...	8,277
Concrete reinforcing bars — Barres d'armature ou ronds à béton	66,669	—	67,427	152	67,275
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	2,884	—	8,242)	1,166	46,846
Other — Autres	35,831	—	39,770)		
Tie plates and track material — Selles d'appui et matériel de voies ferrées					
Angle bars — Cornières	—	—	95	...	95
Tie plates — Selles d'appui	7,673	—	7,522	...	7,522
Track spikes — Crampons de traverses de chemin de fer	213	—	213	...	213
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	84,520	—	86,443	...	86,443
Hot rolled sheets — Tôles laminées à chaud	126,838	—	121,160	4,066	117,094
Hot rolled strip — Feuillard laminé à chaud	31,548	—	33,991	11	33,980
Hot rolled products — Total — Produits laminés à chaud	568,634	—	592,133	47,805	544,328
Cold rolled and coated — Laminé à froid et revêtu					
Cold finished bars — Barres étirées à froid	4,289	—	4,534	...	4,534
Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	151,715	—	139,973	2,873	137,100
Galvanized sheets — Tôles galvanisées	52,696	—	52,447	352	52,095
Cold rolled and coated — Total — Laminés à froid et revêtus	208,700	—	196,954	3,225	193,729
Carbon steel — Total — Acier au carbone ...	777,334	—	789,087	51,030	738,057
Alloy steel — Acier allié					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	6,281	—	6,281	...	6,281
Alloy plates — Plaques d'alliage	10,179	—	10,179	...	10,179
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	27,231	—	27,404	11	27,393
Cold finished bars — Barres étirées à froid	364	—	438	...	438
Wire rods — Fils machine	420	—	420	...	420
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillards laminés à chaud et à froid, autres laminés à froid	6,959	606	9,338	...	9,338
Alloy steel — Total — Acier allié	51,434	606	54,060	11	54,049

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' inter-change own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products
TABLEAU 10A. Production et écoulement des expéditions de lingots et de laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
Year to date — Total cumulatif	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
Carbon steel — Acier au carbone					
Hot rolled — Laminé à chaud					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	496,254	69,970	471,530	358,759	112,771
For forging and piercing — Pour forgeage et perforation	236,244	—	207,375	...	207,375
Rails	276,219	—	274,679	...	274,679
Wire rods — Fils machine	413,662	—	420,050	4,284	415,766
Structural shapes — Profilés de charpente:					
Heavy — Lourds	490,620	—	469,937	1,054	468,883
Bar-sized shapes — De la grosseur d'une barre ...	102,912	—	100,284	...	100,284
Concrete reinforcing bars — Barre d'armature ou ronds à béton	551,823	160	575,015	1,625	573,390
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	46,473	—	93,908	16,959	439,442
Other — Autres	405,074	—	362,493		
Tie plates and track material — Selles d'appui et matériel de voies ferrées					
Angle bars — Cornières	5,749	—	6,133	...	6,133
Tie plates — Selles d'appui	65,780	—	68,636	...	68,636
Track spikes — Crampons de traverses de chemin de fer	10,612	—	10,614	...	10,614
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	892,937	—	906,331	77	906,254
Hot rolled sheets — Tôles laminées à chaud	960,665	18,187	950,022	36,165	913,857
Hot rolled strip — Feuillard laminé à chaud	270,241	—	272,916	354	272,562
Hot rolled products — Total — Produits laminés à chaud	5,225,265	88,317	5,189,923	419,277	4,770,646
Cold rolled and coated — Laminé à froid et revêtu					
Cold finished bars — Barres étirées à froid	47,007	—	48,459	...	48,459
Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard laminés à froid autres laminés à froid et revêtus (excluant l'étain)	1,285,594	—	1,266,514	31,766	1,234,748
Galvanized sheets — Tôles galvanisées	501,204	—	486,155	2,100	484,055
Cold rolled and coated — Total — Laminés à froid et revêtus	1,833,805	—	1,801,128	33,866	1,767,262
Carbon steel — Total — Acier au carbone ...	7,059,070	88,317	6,991,051	453,143	6,537,908
Alloy steel — Acier allié					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	53,732	—	53,732	...	53,732
Alloy plates — Plaques d'alliage	84,720	—	84,720	...	84,720
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	177,654	—	178,319	510	177,809
Cold finished bars — Barres étirées à froid	4,480	—	4,546	...	4,546
Wire rods — Fils machine	5,656	—	5,660	4	5,656
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autres laminés à froid	66,333	17,436	92,872	...	92,872
Alloy steel — Total — Acier allié	392,575	17,436	419,849	514	419,335

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

TABEAU 11. Écoulement des expéditions nettes(1) de produits de laminages d'acier

SDI No. — N ^o du SDI		September — 1970 — Septembre		Year to date — Total cumulatif	
		Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
		net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
4a	Wholesalers and warehouses — Steel service centres — Commerce de gros et entrepôts — Centres de service de l'acier	86,442	2,051	832,745	23,548
b	Other warehouses — Autres entrepôts	10,806	—	85,015	163
6	Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	66,748	17,359	544,395	107,663
7	Agricultural — Agriculture	11,900	693	99,912	3,543
8a	Contractors — Building — Entrepreneurs — Construction	44,385	64	405,188	2,035
b	Construction — Public and utility — Travaux publics et service d'utilité publique	3,409	—	27,927	12
c	Structural steel fabricators — Fabricants d'acier de charpente	86,836	1,723	756,858	18,450
9	Containers — Conteneurs	46,253	3	416,387	127
10	Machinery and tools — Machines et outils	20,009	2,895	196,278	31,047
11	Wire, wire products and fasteners — Fil métallique, produits en fil métallique et attaches	41,894	610	405,271	15,454
12	Natural resources and extractive industries — Ressources naturelles et industries de l'extraction	15,333	7,302	127,927	33,525
13	Appliances and utensils — Appareils et ustensiles	12,621	42	115,255	1,363
14	Other metal stamping and pressing — Autres articles estampés et matricés	34,876	1,447	319,529	17,530
16	Railway operating — Matériel ferroviaire fixe	26,620	500	319,781	2,023
17	Railroad cars and locomotives — Matériel roulant de chemin de fer	9,090	6,690	62,531	26,851
18	Shipbuilding — Construction de navires	2,843	14	45,736	6,187
19	Pipes and tubes — Tuyaux et tubes	81,520	4,182	836,119	40,359
20	Miscellaneous — Divers	5,562	181	47,734	1,853
	Domestic shipments — Total — Expéditions au pays	607,147	45,756	5,644,588	331,733
5a	Export — For conversion and return — Exportation — Pour transformation et retour	—	918	—	15,407
b	Other export (for final sale) — Autres exportations (vente)				
i	USA — É.-U.	71,379	4,768	529,141	51,892
ii	Other countries — Autres pays	59,531	2,607	364,179	20,303
	Domestic and export shipments — Total — Expéditions et exportation au pays	738,057	54,049	6,537,908	419,335
	Production (for sale only) — Production (pour la vente seulement)	777,334	51,434	7,059,070	392,575
	Imports by producers (including conversion) — Importation par les fabricants (y compris la transformation)	—	606	88,317	17,436

(1) Compiled by principal consuming industries according to the "Steel Distribution Index", revised January 1964. — Compilé par les principales industries de consommation d'après le Steel Distribution Index révisé en janvier 1964.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

September 1970

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machine	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	55	116	—	10,405	3,462	17,631	8,188	33
b	Other warehouses	—	479	—	3,416	376	1,230	643	78
6	Automotive and aircraft industries	3,635	—	114	108	—	—	20,821	—
7	Agricultural	3	—	2	216	285	5	3,699	—
8a	Contractors — Building	—	—	103	503	73	9,191	254	—
b	Construction — Public and utility	—	120	—	1,450	—	893	219	2
c	Structural steel fabricators	50	70	918	28,897	2,749	23,580	5,519	1
9	Containers	—	—	—	—	—	—	—	—
10	Machinery and tools	—	27	682	1,118	315	—	2,759	—
11	Wire, wire products and fasteners	938	—	34,191	—	28	32	4,125	8
12	Natural resources and extractive industries.	767	1,804	—	230	22	1,388	15,061	226
13	Appliances and utensils	—	—	—	51	35	—	33	—
14	Other metal stamping and pressing	411	339	65	281	387	9,633	3,898	—
16	Railway operating	4	17,731	—	376	40	—	216	7,462
17	Railroad cars and locomotives	2,411	—	—	302	16	—	905	—
18	Shipbuilding	—	—	—	94	6	—	46	—
19	Pipes and tubes	12,451	—	619	—	—	—	—	—
20	Miscellaneous	3,442	—	351	46	42	129	150	—
	Total domestic shipments	24,167	20,686	37,045	47,493	7,836	63,712	66,536	7,810
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	9,546	635	5,815	6,501	441	3,278	6,167	1
ii	Other countries	27,207	—	4,189	—	—	285	1,536	19
	Total domestic and export shipments.	60,920	21,321	47,049	53,994	8,277	67,275	74,239	7,830
	Production (for sale only)	88,468	19,827	47,138	52,294	11,432	66,669	65,946	7,886
	Imports by producers (including conversion).	—	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Septembre 1970

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	Galvanized sheets — Tôles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
13,619	10,790	79	1,841	13,006	9,268	88,493	Commerce de gros et entrepôts - Centres de service de l'acier.	4a
805	1,801	224	—	1,754	—	10,806	Autres entrepôts	b
537	38,332	2,740	1,236	14,703	1,881	84,107	Industries de l'automobile et de l'aéronautique.	6
1,340	2,879	223	587	3,283	71	12,593	Agriculture	7
1,162	3,320	213	1	4,156	25,473	44,449	Entrepreneurs - Construction	8a
280	268	—	—	177	—	3,409	Construction - Travaux publics et service d'utilité publique.	b
18,183	2,087	1,202	104	1,247	3,952	88,559	Fabricants d'acier de charpente	c
603	585	48	—	44,825	195	46,256	Contenants	9
4,841	4,787	363	696	6,504	812	22,904	Machines et outils	10
406	1,801	23	155	663	134	42,504	Fil métallique, produits en fil métallique et attaches.	11
1,490	1,161	—	8	378	100	22,635	Industries des ressources naturelles et de l'extraction.	12
664	2,368	104	78	8,065	1,265	12,663	Appareils et ustensiles	13
3,092	3,327	489	88	12,211	2,102	36,323	Autres articles estampés et matricés ...	14
1,174	106	—	—	—	11	27,120	Matériel ferroviaire fixe	16
11,658	456	—	6	26	—	15,780	Matériel roulant de chemin de fer	17
2,235	467	—	9	—	—	2,857	Construction de navires	18
27,277	11,498	28,061	11	5,461	324	85,702	Tuyaux et tubes	19
561	—	—	7	946	69	5,743	Divers	20
89,927	86,033	33,769	4,827	117,405	45,657	652,903	Total, expéditions au pays	
—	—	—	—	918	—	918	Exportation - Pour transformation et retour.	5a
6,695	14,897	211	89	16,929	4,942	76,147	Autres exportation (vente)	b
—	16,928	—	56	10,422	1,496	62,138	É.-U.	i
							Autres pays	ii
96,622	117,858	33,980	4,972	145,674	52,095	792,106	Total, expéditions et exportation au pays.	
94,699	127,602	31,548	4,653	157,910	52,696	828,768	Production (pour la vente seulement)	
—	—	—	—	606	—	606	Importation par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Year to date

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machines	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	114	2,011	110	89,745	29,075	133,181	83,688	497
b	Other warehouses	—	2,130	—	21,528	5,376	2,414	5,967	490
6	Automotive and aircraft industries	26,773	—	746	813	387	41	139,512	—
7	Agricultural	23	—	112	3,289	4,040	11	24,870	—
8a	Contractors — Building	13	240	1,642	5,532	400	70,447	4,048	133
b	Construction — Public and utility	2	120	—	5,874	19	11,055	1,208	18
c	Structural steel fabricators	1,267	703	6,078	270,442	38,846	152,480	54,134	63
9	Containers	—	—	—	—	—	—	1,555	—
10	Machinery and tools	24	82	12,030	9,492	2,458	285	26,962	3
11	Wire, wire products and fasteners	6,222	—	309,821	70	2,534	387	62,575	4,410
12	Natural resources and extractive industries.	4,378	9,458	—	4,288	220	12,895	98,656	2,318
13	Appliances and utensils	—	—	—	251	182	22	512	—
14	Other metal stamping and pressing	3,592	744	1,606	2,290	2,884	102,496	29,795	26
16	Railway operating	42	224,583	—	2,775	494	—	5,556	76,951
17	Railroad cars and locomotives	22,750	13	—	4,436	161	—	4,082	2
18	Shipbuilding	67	5	—	3,611	209	1	1,292	—
19	Pipes and tubes	155,639	—	1,156	—	(- 50)	817	54	—
20	Miscellaneous	31,585	—	1,668	148	229	3,368	1,679	101
	Total domestic shipments	252,491	240,089	334,969	424,584	87,464	489,900	546,145	85,012
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	46,217	14,771	33,052	44,296	12,143	15,238	60,237	285
ii	Other countries	75,170	19,819	53,401	3	677	68,252	10,869	86
	Total domestic and export shipments.	373,878	274,679	421,422	468,883	100,284	573,390	617,251	85,383
	Production (for sale only)	786,230	276,219	419,318	490,620	102,912	551,823	629,201	82,141
	Imports by producers (including conversion).	69,970	—	—	—	—	160	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12A. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Total cumulatif

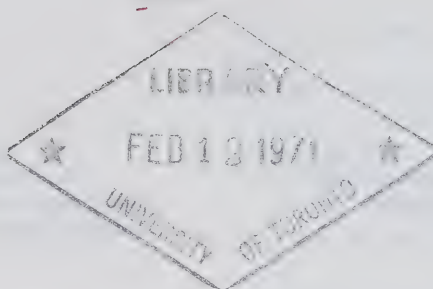
Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	Galvanized sheets — Tôles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
156,173	121,638	2,195	20,639	124,128	93,099	856,293	Commerce de gros et entrepôts — Centres de service de l'acier.	4a
14,412	17,072	1,657	—	14,132	—	85,178	Autres entrepôts	b
6,366	298,884	20,637	11,977	128,737	17,185	652,058	Industries de l'automobile et de l'aéronautique.	6
11,149	28,807	1,003	6,144	21,984	2,023	103,455	Agriculture	7
14,430	37,142	5,404	253	42,709	224,830	407,223	Entrepreneurs — Construction	8a
2,687	4,879	—	—	1,611	466	27,939	Construction — Travaux publics et service d'utilité publique.	b
183,217	26,480	7,495	566	7,246	26,291	775,308	Fabricants d'acier de charpente	c
1,079	4,828	446	—	407,316	1,290	416,514	Contenants	9
50,638	34,719	6,100	7,080	68,319	9,133	227,325	Machines et outils	10
3,916	15,158	331	1,700	12,280	1,321	420,725	Fil métallique, produits en fil métallique et attachés.	11
14,642	6,439	17	187	4,921	3,033	161,452	Industries des ressources naturelles et de l'extraction.	12
4,899	17,860	825	922	74,883	16,262	116,618	Appareils et ustensiles	13
23,929	36,094	3,451	1,965	107,532	20,655	337,059	Autres articles estampés et matricés ...	14
8,986	1,981	—	65	151	220	321,804	Matériel ferroviaire fixe	16
51,490	6,060	—	32	26	330	89,382	Matériel roulant de chemin de fer	17
41,764	4,640	195	57	82	—	51,923	Construction de navires	18
326,412	120,034	219,159	160	48,016	5,081	876,478	Tuyaux et tubes	19
1,796	106	—	292	8,238	377	49,587	Divers	20
917,985	782,821	268,915	52,039	1,072,311	421,596	5,976,321	Total, expéditions au pays	
—	—	—	—	15,407	—	15,407	Exportation — Pour transformation et retour.	5a
72,987	99,535	3,647	784	124,913	52,928	581,033	Autres exportation (vente)	b
2	38,831	—	182	107,659	9,531	384,482	É.-U.	i
							Autres pays	ii
990,974	921,187	272,562	53,005	1,320,290	484,055	6,957,243	Total, expéditions et exportation au pays.	
977,657	967,995	270,241	51,487	1,344,597	501,204	7,451,645	Production (pour la vente seulement)	
—	18,187	—	—	17,436	—	105,753	Importations par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications.

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- P preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

Note: The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

SIGNES CONVENTIONNELS

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- .. nombres indisponibles.
- ... n'ayant pas lieu de figurer.
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- r nombres rectifiés.
- x confidentiel en vertu des dispositions de la Loi sur la statistique relatives au secret.

Nota: Les termes expéditions, expéditions nettes, utilisés dans cette publication, se rapportent aux expéditions des producteurs.

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TABLE 1. Pig Iron Capacity, January 1, 1970

TABLEAU 1. Capacité de fonte en gueuses, 1^{er} janvier 1970

	In blast or in use — En activité		Banked, blown out or idle — Vide, hors feu ou chômant	
	Furnaces — Fours	Annual capacity — Capacité annuelle	Furnaces — Fours	Annual capacity — Capacité annuelle
	No. — nomb.	net tons — tonnes nettes	No. — nomb.	net tons — tonnes nettes
Blast furnaces — Hauts fourneaux	14	9,005,000	1	150,000
Electric furnaces — Fours électriques	11	575,000	—	—
Total	25	9,580,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

TABLEAU 2. Charges des hauts fourneaux de fer(1)

	October — 1970 — Octobre	Year to date — Total cumulatif
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Crude iron ore — Minerai de fer brut</u>		
From Canadian mines — Des mines canadiennes	14,858	151,121
From foreign mines — Des mines étrangères	5,469	200,779
Pyrite cinder — Cendre de pyrite	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.) — Minerai de fer sinter, bouletté, etc.)</u>		
From Canadian mines — Des mines canadiennes	833,774	8,193,501
From foreign mines — Des mines étrangères	89,006	1,381,234
From own processing — De propre traitement	106,394	969,668
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.)	24,054	236,123
Scrap iron and steel — Ferraille de fer et d'acier	14,618	129,444
Limestone — Pierre calcaire	30,212	615,023
Dolomite — Dolomie	37,036	390,645
Coke	383,460	3,837,907

(1) Does not include charges into furnaces used in the smelting of titanium ores. — Ne comprend pas les charges des fours utilisées pour l'affinage des minerais de titane.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Inclus avec les scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

TABLEAU 3. Production et expéditions de fonte en gueuses et de ferro-alliages

	1969		1970	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>October — Octobre</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	293,903	4,391	681,644	2,498
Foundry (including silvery pig) (2) — De fonderie (inclus la fonte grise claire) (2)	56,334	50,429 ^F	60,298	63,109
Malleable — Malléable	6,980	11,164 ^F	(3)	(3)
Pig iron — Total — Fonte en gueuses	357,217	65,984 ^F	741,942	65,607
Ferro-alloys — Ferro-alliages	15,033	13,147	17,850	17,943
Stocks of pig iron on hand at end of month — Stocks de fonte en gueuses à la fin du mois	281,104		247,244	
<u>Year to date — Total cumulatif</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	5,307,452	61,629	6,956,237	43,510
Foundry (including silvery pig) (2) — De fonderie (inclus la fonte grise claire) (2)	522,171	485,993 ^F	656,528	648,141
Malleable — Malléable	252,043	140,391 ^F	(3)	(3)
Pig iron — Total — Fonte en gueuses	6,081,666	688,013 ^F	7,612,765	691,651
Ferro-alloys — Ferro-alliages	167,060	165,282	172,941	184,602

- (1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine.
(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores. — Inclus les produits
ferreux obtenus lors de l'affinage des minerais de titane.
(3) Included with "Foundry". — Inclus avec "La fonderie".

TABLE 4. Steel Furnace Capacity, January 1, 1970

TABLEAU 4. Capacité des fours d'acier, 1^{er} janvier 1970

	Annual capacity — Capacité annuelle
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres
<u>Ingots — Lingots</u>	
Basic open hearth — Four à sole, marche basique	6,970,000
Electric — Four électrique	2,055,450
Basic oxygen furnace — Four à oxygène, marche basique	3,800,000
Ingots — Total — Lingots	12,825,450
Steel castings — Moulages d'acier	415,925
Ingots and castings — Total — Lingots et moulages	13,241,375

TABLE 5. Pig Iron and Scrap Charged to Steel Furnaces

TABLEAU 5. Charges de fonte en gueuses et de ferraille dans les fours d'acier

	October - Octobre		Year to date - Total cumulatif	
	1969	1970	1969	1970
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
Pig iron - Fonte en gueuses	299,434	673,684	5,057,465	6,794,220
Scrap - Ferraille:				
Own make - De propre fabrication	142,175	297,424	2,385,057	2,962,092
Purchased - Achetée	175,592	237,720	1,727,087	1,939,699
Pig iron and scrap - Total - Fonte en gueuses et ferraille	617,201	1,208,828	9,169,609	11,696,011

TABLE 6. Production and Shipments of Steel Ingots and Castings

TABLEAU 6. Production et expéditions de lingots et moulages d'acier

	1969		1970	
	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
<u>October - Octobre</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) - Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth - Four à sole, marche basique	390,367	19,026	900,893	9,298
Electric - Four électrique	139,495	22,304	138,394	33,190
Basic oxygen furnace - Four à oxygène, marche basique ...	(2)	(2)	(2)	(2)
Steel ingots - Total - Lingots d'acier	529,862	41,330	1,039,287	42,488
Continuous cast steel included in above - Moulages d'acier de coulée continue déclarés ci-dessus	87,065	x	122,188	x
Alloy steel ingots included in above - Lingots d'acier allié déclarés ci-dessus	32,905	x	91,716	x
<u>Steel castings (both carbon and alloy) - Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth - Four à sole, marche basique	-	-	(3)	(3)
Electric - Four électrique	12,750	13,400	17,479	14,585
Basic oxygen furnace - Four à oxygène, marche basique ...	-	-	-	-
Steel castings - Total - Moulages d'acier	12,750	13,400	17,479	14,585
<u>Alloy steel castings included in above - Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese, and abrasion resistant - Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	653	388	632	426
Manganese and abrasive resistant - Acier au manganèse et alliage résistant à l'abrasion	2,116	2,366	2,254	2,201
All other alloys - Tous autres alliages	1,048	1,040	772	791
Alloy castings - Total - Moulages d'acier allié	3,817	3,794	3,658	3,418

(1) Includes amounts for sale and for own use. - Inclus les quantités fabriquées pour vente et pour usage à l'usine. (2) Included with "Basic open hearth". - Inclus avec les moulages de "Four à sole, marche basique". (3) Included with "Electric". - Inclus avec "Four électrique".

TABLE 6A. Production and Shipments of Steel Ingots and Castings
TABLEAU 6A. Production et expéditions de lingots et moulages d'acier

	1969		1970	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>Year to date — Total cumulatif</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth — Four à sole, marche basique	6,875,207	167,061	8,805,014	145,337
Electric — Four électrique	1,304,156	220,436	1,359,915	267,776
Basic oxygen furnace — Four à oxygène, marche basique	(2)	(2)	(2)	(2)
Steel ingots — Total — Lingots d'acier	8,179,363	387,497	10,164,929	413,113
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus	989,359	x	1,167,976	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	644,459	x	867,775	x
<u>Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth — Four à sole, marche basique	—	—	(3)	(3)
Electric — Four électrique	127,407	127,683	156,072	147,923
Basic oxygen furnace — Four à oxygène, marche basique	—	—	—	—
Steel castings — Total — Moulages d'acier	127,407	127,683	156,072	147,923
Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus				
High alloy, except manganese and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistants à l'abrasion	6,413	3,768	6,461	4,272
Manganese and abrasion resistant — Acier au manganèse et alliage résistant à l'abrasion	19,773	21,389	21,997	22,313
All other alloys — Tous autres alliages	9,125	8,892	7,780	8,324
Alloy castings — Total — Moulages d'acier allié	35,311	34,049	36,238	34,909

See footnote(s) at end of Table 6. — Voir renvoi(s) à la fin du Tableau 6.

TABLE 7. Disposition of Shipments(1) of Steel Castings
TABLEAU 7. Écoulement des expéditions(1) de moulages d'acier

	October — 1970 — Octobre		Year to date — Total cumulatif	
	Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
Wholesalers and warehouses — Commerce de gros et entrepôts	36	4	36	42
Export — Exportation	1,565	126	13,829	2,623
Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	599	—	5,668	—
Agricultural(2) — Agriculture(2)	78	60	879	347
Construction(3)	24	173	702	2,457
Machinery and tools — Machines et outils	1,670	612	16,945	5,447
Natural resources and extractive industries(4) — Industries des ressources naturelles et de l'extraction(4)	867	1,663	9,054	16,054
Railway operating — Matériel ferroviaire fixe	2,587	243	39,641	2,312
Railroad cars and locomotives — Matériel roulant de chemin de fer	3,466	252	23,586	2,548
Shipbuilding — Construction de navires	25	7	580	80
Miscellaneous(5) — Divers(5)	250	278	2,094	2,999
Total	11,167	3,418	113,014	34,909

(1) (a) Compiled by principal consuming industries according to the Steel Distribution Index revised January 1964. — Compilé par les principales industries de consommation, d'après le Steel Distribution Index révisé en janvier 1964. (b) Includes producers' own-make castings allocated to appropriate consuming industry. — Inclut les moulages d'acier de propre fabrication des fabricants affectés à l'industrie de consommation appropriée. (2) Including implement and equipment manufacturers. — Y compris les fabricants d'instruments et de matériel agricoles. (3) Including public works, public utilities and structural steel fabricators. — Y compris les travaux publics, les services d'utilité publique et les fabricants d'acier de charpente. (4) Including mining, lumbering, quarrying, oil and gas, including refineries, etc. — Y compris l'industrie minière, l'exploitation du bois-d'oeuvre, les carrières, le pétrole et le gaz, et les raffineries, etc. (5) Including grinding balls and railway car wheels. — Y compris les broyeurs à boulets et les roues des voitures et wagons de chemin de fer.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

TABEAU 8. Production mensuelle de fonte en gueuses, de ferro-alliages et de lingots et moulages d'acier

	Pig iron — Fonte en gueuses	Ferro- alloys — Ferro- alliages	Steel — Acier		
			Ingots — Lingots	Castings — Moulages	Steel — Total — Acier
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>1969</u>					
January — Janvier	708,626	14,822	986,844	11,731	998,575
February — Février	647,814	16,029	899,685	12,554	912,239
March — Mars	768,830	17,506	1,022,559	13,398	1,035,957
April — Avril	774,949	17,889	1,012,947	14,239	1,027,186
May — Mai	782,891	15,862	1,013,833	15,033	1,028,866
June — Juin	726,491	18,453	974,843	13,888	988,731
July — Juillet	732,290	15,152	942,868	10,659	953,527
August — Août	286,697	16,564	387,527	10,628	398,155
September — Septembre	295,861	19,750	408,395	12,527	420,922
October — Octobre	357,217	15,033	529,862	12,750	542,612
November — Novembre	645,936	16,674	948,236	12,684	960,920
December — Décembre	733,617	20,570	1,024,247	14,615	1,038,862
Total	7,461,219	204,304	10,151,846	154,706	10,306,552
<u>1970</u>					
January — Janvier	788,315	15,124	1,042,829	14,136	1,056,965
February — Février	722,075	15,534	973,253	14,973	988,226
March — Mars	815,211	19,017	1,078,812	15,718	1,094,530
April — Avril	783,074	16,645	1,037,231	16,911	1,054,142
May — Mai	815,498	15,627	1,063,555	16,511	1,080,066
June — Juin	777,667	19,689	1,017,287	17,091	1,034,378
July — Juillet	770,733	17,840	986,555	11,216	997,771
August — Août	738,009	15,788	969,174	14,709	983,883
September — Septembre	703,728	19,827	956,946	17,328	974,274
October — Octobre	741,942	17,850	1,039,287	17,479	1,056,766
November — Novembre					
December — Décembre					
Total					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

TABLEAU 9. Production et expéditions de tuyaux, tubes et raccords en acier

	1969		1970	
	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>October — Octobre</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	23,447	28,370	27,098	25,182
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	20,519 ^r	20,499 ^r	32,563	37,594
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	12,600	15,887	20,024	17,466
Total	56,566 ^r	64,756 ^r	79,685	80,242
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	76	96	89	147
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	471	573	685	725
Total	547	669	774	872
<u>Year to date — Total cumulatif</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	239,286	248,649	252,572	229,005
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	411,638 ^r	427,647 ^r	458,456	446,479
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	191,180	194,794	205,265	196,382
Total	842,104 ^r	871,090 ^r	916,293	871,866
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	903	1,020	1,166	1,692
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	5,600	6,114	6,136	6,760
Total	6,503	7,134	7,302	8,452

(1) Included with "Other." — Inclus avec "Autres."

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

TABLEAU 10. Production et écoulement des expéditions de produits de lingots et laminages d'acier

	Production	Imports — Importations	All shipments — Total (1) — Des expéditions	Shipments for further processing (1) — Expéditions pour traitement ultérieur (1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
October — Octobre					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	53,616	4,820	49,350	38,610	10,740
For forging and piercing — Pour forgeage et perforation	17,219	—	21,475	...	21,475
Rails	26,376	—	22,999	...	22,999
Wire rods — Fils machine	44,192	—	44,547	810	43,737
Structural shapes — Profilés de charpente:					
Heavy — Lourds	62,673	—	53,525	490	53,035
Bar-sized shapes — De la grosseur d'une barre ...	19,242	—	12,090	...	12,090
Concrete reinforcing bars — Barres d'armature ou ronds à béton	61,942	—	62,074	339	61,735
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	2,237	—	8,183)	739	42,720
Other — Autres	39,347	—	35,276)		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	—	—	45	...	45
Tie plates — Selles d'appui	4,362	—	4,509	...	4,509
Track spikes — Crampons de traverses de chemin de fer	230	—	248	...	248
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	90,974	—	94,413	...	94,413
Hot rolled sheets — Tôles laminées à chaud	103,840	—	99,871	2,288	97,583
Hot rolled strip — Feuillard laminé à chaud	33,370	—	27,664	6	27,658
Hot rolled products — Total — Produits laminés à chaud	559,620	4,820	536,269	43,282	492,987
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	4,152	—	4,108	...	4,108
Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	122,255	—	118,881	3,937	114,944
Galvanized sheets — Tôles galvanisées	53,891	—	54,900	175	54,725
Cold rolled and coated — Total — Laminés à froid et revêtus	180,298	—	177,889	4,112	173,777
Carbon steel — Total — Acier au carbone ...	739,918	4,820	714,158	47,394	666,764
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	9,141	—	9,141	...	9,141
Alloy plates — Plaques d'alliage	9,142	—	9,142	...	9,142
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	20,722	—	20,790	21	20,769
Cold finished bars — Barres étirées à froid	431	—	522	...	522
Wire rods — Fils machine	703	—	703	...	703
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillards laminés à chaud et à froid, autres laminés à froid	6,416	811	8,265	...	8,265
Alloy steel — Total — Acier allié	46,555	811	48,563	21	48,542

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

TABLÉAU 10A. Production et écoulement des expéditions de lingots et de laminages d'acier

	Production	Imports — Importations	All shipments — Total (1) — Des expéditions	Shipments for further processing (1) — Expéditions pour traitement ultérieur (1)	Net shipments — Expéditions nettes
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>Year to date — Total cumulatif</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	549,870	74,790	520,880	397,369	123,511
For forging and piercing — Pour forgeage et perforation	253,463	—	228,850	...	228,850
Rails	302,595	—	297,678	...	297,678
Wire rods — Fils machine	457,854	—	464,597	5,094	459,503
Structural shapes — Profilés de charpente:					
Heavy — Lourds	553,293	—	523,462	1,544	521,918
Bar-sized shapes — De la grosseur d'une barre ...	122,154	—	112,374	...	112,374
Concrete reinforcing bars — Barre d'armature ou ronds à béton	613,765	160	637,089	1,964	635,125
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	48,710	—	102,091	) 17,698	482,162
Other — Autres	444,421	—	397,769		
Tie plates and track material — Selles d'appui et matériel de voies ferrées .					
Angle bars — Cornières	5,749	—	6,178	...	6,178
Tie plates — Selles d'appui	70,142	—	73,145	...	73,145
Track spikes — Crampons de traverses de chemin de fer	10,842	—	10,862	...	10,862
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	983,911	—	1,000,744	77	1,000,667
Hot rolled sheets — Tôles laminées à chaud	1,064,505	18,187	1,049,893	38,453	1,011,440
Hot rolled strip — Feuillard laminé à chaud	303,611	—	300,580	360	300,220
Hot rolled products — Total — Produits laminés à chaud	5,784,885	93,137	5,726,192	462,559	5,263,633
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	51,159	—	52,567	...	52,567
Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard laminés à froid autres laminés à froid et revêtus (excluant l'étain)	1,407,849	—	1,385,395	35,703	1,349,692
Galvanized sheets — Tôles galvanisées	555,095	—	541,055	2,275	538,780
Cold rolled and coated — Total — Laminés à froid et revêtus	2,014,103	—	1,979,017	37,978	1,941,039
Carbon steel — Total — Acier au carbone ...	7,798,988	93,137	7,705,209	500,537	7,204,672
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	62,873	—	62,873	...	62,873
Alloy plates — Plaques d'alliage	93,862	—	93,862	...	93,862
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	198,376	—	199,109	531	198,578
Cold finished bars — Barres étirées à froid	4,911	—	5,068	...	5,068
Wire rods — Fils machine	6,359	—	6,363	4	6,359
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autres laminés à froid	72,749	18,247	101,137	...	101,137
Alloy steel — Total — Acier allié	439,130	18,247	468,412	535	467,877

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

TABEAU 11. Écoulement des expéditions nettes(1) de produits de laminages d'acier

SDI No. — N ^o du SDI		October — 1970 — Octobre		Year to date — Total cumulatif	
		Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
		net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
4a	Wholesalers and warehouses — Steel service centres — Commerce de gros et entrepôts — Centres de service de l'acier	84,767	2,189	917,512	25,737
b	Other warehouses — Autres entrepôts	9,929	58	94,944	221
6	Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	54,168	14,521	598,563	122,184
7	Agricultural — Agriculture	9,026	328	108,938	3,871
8a	Contractors — Building — Entrepreneurs — Construction	45,536	(— 1)	450,724	2,034
b	Construction — Public and utility — Travaux publics et service d'utilité publique	3,909	—	31,836	12
c	Structural steel fabricators — Fabricants d'acier de charpente	86,237	2,508	843,095	20,958
9	Containers — Conténants	33,473	18	449,860	145
10	Machinery and tools — Machines et outils	20,533	3,019	216,811	34,066
11	Wire, wire products and fasteners — Fil métallique, produits en fil métallique et attaches	38,692	1,127	443,963	16,581
12	Natural resources and extractive industries — Ressources naturelles et industries de l'extraction	12,440	2,263	140,367	35,788
13	Appliances and utensils — Appareils et ustensiles	12,494	157	127,749	1,520
14	Other metal stamping and pressing — Autres articles estampés et matricés	35,388	2,121	354,917	19,651
16	Railway operating — Matériel ferroviaire fixe	27,607	9	347,388	2,032
17	Railroad cars and locomotives — Matériel roulant de chemin de fer	8,519	3,983	71,050	30,834
18	Shipbuilding — Construction de navires	3,324	23	49,060	6,210
19	Pipes and tubes — Tuyaux et tubes	87,069	7,294	923,188	47,653
20	Miscellaneous — Divers	4,736	43	52,470	1,896
	Domestic shipments — Total — Expéditions au pays	577,847	39,660	6,222,435	371,393
5a	Export — For conversion and return — Exportation — Pour transformation et retour	—	631	—	16,038
b	Other export (for final sale) — Autres exportations (vente)				
i	USA — É.-U.	60,045	5,847	589,186	57,739
ii	Other countries — Autres pays	28,872	2,404	393,051	22,707
	Domestic and export shipments — Total — Expéditions et exportation au pays	666,764	48,542	7,204,672	467,877
	Production (for sale only) — Production (pour la vente seulement)	739,918	46,555	7,798,988	439,130
	Imports by producers (including conversion) — Importation par les fabricants (y compris la transformation)	4,820	811	93,137	18,247

(1) Compiled by principal consuming industries according to the "Steel Distribution Index", revised January 1964. — Compilé par les principales industries de consommation d'après le Steel Distribution Index révisé en janvier 1964.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

October 1970

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machine	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	7	294	84	9,136	3,332	17,639	7,898	80
b	Other warehouses	—	241	—	2,718	688	1,680	498	—
6	Automotive and aircraft industries	2,641	—	156	83	—	—	15,581	—
7	Agricultural	—	—	2	455	294	5	2,693	—
8a	Contractors — Building	—	—	13	1,811	11	9,216	443	1
b	Construction — Public and utility	—	60	—	1,495	188	1,294	388	28
c	Structural steel fabricators	44	69	1,026	29,291	4,386	18,914	7,501	6
9	Containers	—	—	—	—	—	—	4	—
10	Machinery and tools	—	26	733	780	328	1	2,860	—
11	Wire, wire products and fasteners	964	—	29,791	—	2	52	5,505	9
12	Natural resources and extractive industries.	1,063	330	—	314	18	1,266	8,908	179
13	Appliances and utensils	—	—	—	51	4	—	23	—
14	Other metal stamping and pressing	957	—	240	117	645	10,924	3,483	—
16	Railway operating	—	21,917	—	125	—	—	256	4,259
17	Railroad cars and locomotives	2,623	—	—	1,081	7	—	509	—
18	Shipbuilding	—	—	—	198	20	—	35	—
19	Pipes and tubes	18,316	—	61	—	—	10	—	—
20	Miscellaneous	3,000	—	217	35	35	323	82	—
	Total domestic shipments	29,615	22,937	32,323	47,690	9,958	61,324	56,667	4,562
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	2,689	62	4,078	5,244	1,344	181	5,953	—
ii	Other countries	9,052	—	8,039	101	788	230	869	240
	Total domestic and export shipments.	41,356	22,999	44,440	53,035	12,090	61,735	63,489	4,802
	Production (for sale only)	79,976	26,376	44,895	62,673	19,242	61,942	62,306	4,592
	Imports by producers (including conversion).	4,820	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABEAU 12. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Octobre 1970

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	Galvanized sheets — Tôles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
11,645	12,572	243	1,589	12,076	10,361	86,956	Commerce de gros et entrepôts - Centres de service de l'acier.	4a
1,137	1,256	255	—	1,514	—	9,987	Autres entrepôts	b
402	34,354	2,190	948	10,342	1,992	68,689	Industries de l'automobile et de l'aéronautique.	6
875	2,282	59	464	2,100	125	9,354	Agriculture	7
926	2,563	630	33	4,557	25,331	45,535	Entrepreneurs - Construction	8a
264	10	—	—	182	—	3,909	Construction - Travaux publics et service d'utilité publique.	b
19,117	3,068	1,135	64	600	3,524	88,745	Fabricants d'acier de charpente	c
591	488	44	—	32,278	86	33,491	Contenants	9
5,981	3,489	689	735	6,864	1,066	23,552	Machines et outils	10
428	2,015	—	139	807	107	39,819	Fil métallique, produits en fil métallique et attaches.	11
1,119	714	—	27	475	290	14,703	Industries des ressources naturelles et de l'extraction.	12
806	2,024	84	58	7,963	1,638	12,651	Appareils et ustensiles	13
2,412	3,888	442	255	11,923	2,223	37,509	Autres articles estampés et matricés ...	14
908	151	—	—	—	—	27,616	Matériel ferroviaire fixe	16
7,997	285	—	—	—	—	12,502	Matériel roulant de chemin de fer	17
2,912	171	—	11	—	—	3,347	Construction de navires	18
36,906	13,640	20,830	8	4,338	254	94,363	Tuyaux et tubes	19
366	21	—	5	695	—	4,779	Divers	20
94,792	82,991	26,601	4,336	96,714	46,997	617,507	Total, expéditions au pays	
—	—	—	—	631	—	631	Exportation - Pour transformation et retour.	5a
8,763	14,591	1,057	269	15,270	6,391	65,892	Autres exportation (vente)	b
—	557	—	25	10,038	1,337	31,276	E.-U.	i
							Autres pays	ii
103,555	98,139	27,658	4,630	122,653	54,725	715,306	Total, expéditions et exportation au pays.	
100,116	104,396	33,370	4,583	128,115	53,891	786,473	Production (pour la vente seulement)	
—	—	—	—	811	—	5,631	Importation par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Year to date

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvres	Rails	Wire rods — Fils machines	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	121	2,305	194	98,881	32,407	150,820	91,586	577
b	Other warehouses	—	2,371	—	24,246	6,064	4,094	6,465	490
6	Automotive and aircraft industries	29,414	—	902	896	387	41	155,093	—
7	Agricultural	23	—	114	3,744	4,334	16	27,563	—
8a	Contractors — Building	13	240	1,655	7,343	411	79,663	4,491	134
b	Construction — Public and utility	2	180	—	7,369	207	12,349	1,596	46
c	Structural steel fabricators	1,311	772	7,104	299,733	43,232	171,394	61,635	69
9	Containers	—	—	—	—	—	—	1,559	—
10	Machinery and tools	24	108	12,763	10,272	2,786	286	29,822	3
11	Wire, wire products and fasteners	7,186	—	339,612	70	2,536	439	68,080	4,419
12	Natural resources and extractive industries.	5,441	9,788	—	4,602	238	14,161	107,564	2,497
13	Appliances and utensils	—	—	—	302	186	22	535	—
14	Other metal stamping and pressing	4,549	744	1,846	2,407	3,529	113,420	33,278	26
16	Railway operating	42	246,500	—	2,900	494	—	5,812	81,210
17	Railroad cars and locomotives	25,373	13	—	5,517	168	—	4,591	2
18	Shipbuilding	67	5	—	3,809	229	1	1,327	—
19	Pipes and tubes	173,955	—	1,217	—	(— 50)	827	54	—
20	Miscellaneous	34,585	—	1,885	183	264	3,691	1,761	101
	Total domestic shipments	282,106	263,026	367,292	472,274	97,422	551,224	602,812	89,574
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	48,906	14,833	37,130	49,540	13,487	15,419	66,190	285
ii	Other countries	84,222	19,819	61,440	104	1,465	68,482	11,738	326
	Total domestic and export shipments.	415,234	297,678	465,862	521,918	112,374	635,125	680,740	90,185
	Production (for sale only)	866,206	302,595	464,213	553,293	122,154	613,765	691,507	86,733
	Imports by producers (including conversion).	74,790	—	—	—	—	160	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABEAU 12A. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Total cumulatif

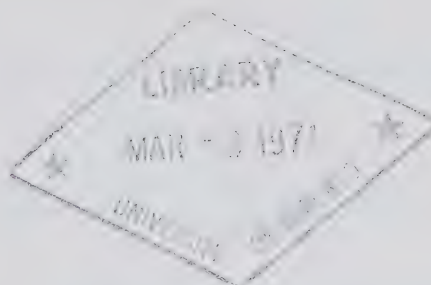
Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	Galvanized sheets — Tôles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
167,818	134,210	2,438	22,228	136,204	103,460	943,249	Commerce de gros et entrepôts — Centres de service de l'acier.	4a
15,549	18,328	1,912	—	15,646	—	95,165	Autres entrepôts	b
6,768	333,238	22,827	12,925	139,079	19,177	720,747	Industries de l'automobile et de l'aéronautique.	6
12,024	31,089	1,062	6,608	24,084	2,148	112,809	Agriculture	7
15,356	39,705	6,034	286	47,266	250,161	452,758	Entrepreneurs — Construction	8a
2,951	4,889	—	—	1,793	466	31,848	Construction — Travaux publics et service d'utilité publique.	b
202,334	29,548	8,630	630	7,846	29,815	864,053	Fabricants d'acier de charpente	c
1,670	5,316	490	—	439,594	1,376	450,005	Contenants	9
56,619	38,208	6,789	7,815	75,183	10,199	250,877	Machines et outils	10
4,344	17,173	331	1,839	13,087	1,428	460,544	Fil métallique, produits en fil métallique et attachés.	11
15,761	7,153	17	214	5,396	3,323	176,155	Industries des ressources naturelles et de l'extraction.	12
5,705	19,884	909	980	82,846	17,900	129,269	Appareils et ustensiles	13
26,341	39,982	3,893	2,220	119,455	22,878	374,568	Autres articles estampés et matricés ...	14
9,894	2,132	—	65	151	220	349,420	Matériel ferroviaire fixe	16
59,487	6,345	—	32	26	330	101,884	Matériel roulant de chemin de fer	17
44,676	4,811	195	58	82	—	55,270	Construction de navires	18
363,318	133,674	239,989	168	52,354	5,335	970,841	Tuyaux et tubes	19
2,162	127	—	297	8,933	377	54,366	Divers	20
1,012,777	865,812	295,516	56,375	1,169,025	468,593	6,593,828	Total, expéditions au pays	
—	—	—	—	16,038	—	16,038	Exportation — Pour transformation et retour.	5a
81,750 2	114,126 39,388	4,704 —	1,053 207	140,183 117,697	59,319 10,868	646,925 415,758	Autres exportation (vente) É.-U. Autres pays	b i ii
1,094,529	1,019,326	300,220	57,635	1,442,943	538,780	7,672,549	Total, expéditions et exportation au pays.	
1,077,773	1,072,391	303,611	56,070	1,472,712	555,095	8,238,118	Production (pour la vente seulement)	
—	18,187	—	—	18,247	—	111,384	Importations par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

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SYMBOLS

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- r revised figures.
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Note: The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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- r nombres rectifiés.
- x confidentiel en vertu des dispositions de la Loi sur la statistique relatives au secret.

Nota: Les termes expéditions, expéditions nettes, utilisés dans cette publication, se rapportent aux expéditions des producteurs.

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TABLE 1. Pig Iron Capacity, January 1, 1970

TABLEAU 1. Capacité de fonte en gueuses, 1^{er} janvier 1970

	In blast or in use — En activité		Banhed, blown out or idle — Vide, hors feu ou chômant	
	Furnaces — Fours	Annual capacity — Capacité annuelle	Furnaces — Fours	Annual capacity — Capacité annuelle
	No. — nomb.	net tons — tonnes nettes	No. — nomb.	net tons — tonnes nettes
Blast furnaces — Hauts fourneaux	14	9,005,000	1	150,000
Electric furnaces — Fours électriques	11	575,000	—	—
Total	25	9,580,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

TABLEAU 2. Charges des hauts fourneaux de fer(1)

	November — 1970 — Novembre	Year to date — Total cumulatif
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Crude iron ore — Minerai de fer brut</u>		
From Canadian mines — Des mines canadiennes	14,899	166,020
From foreign mines — Des mines étrangères	24,120	224,899
Pyrite cinder — Cendre de pyrite	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.) — Minerai de fer sinter, bouletté, etc.)</u>		
From Canadian mines — Des mines canadiennes	771,991	8,965,492
From foreign mines — Des mines étrangères	143,508	1,524,742
From own processing — De propre traitement	99,910	1,069,578
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.)	23,388	259,511
Scrap iron and steel — Ferraille de fer et d'acier	16,992	146,436
Limestone — Pierre calcaire	31,512	646,535
Dolomite — Dolomie	41,914	432,559
Coke	377,294	4,215,201

(1) Does not include charges into furnaces used in the smelting of titanium ores. — Ne comprend pas les charges des fours utilisées pour l'affinage des minerais de titane.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Inclus avec les scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

TABLEAU 3. Production et expéditions de fonte en gueuses et de ferro-alliages

	1969		1970	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>November — Novembre</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	589,099	4,282	655,237	3,343
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	51,907	46,772 ^r	73,654	67,201
Malleable — Malléable	4,930	15,057 ^r	(3)	(3)
Pig iron — Total — Fonte en gueuses	645,936	66,111	728,891	70,544
Ferro-alloys — Ferro-alliages	16,674	17,673	18,122	15,721
Stocks of pig iron on hand at end of month — Stocks de fonte en gueuses à la fin du mois	272,607		255,732	
<u>Year to date — Total cumulatif</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	5,896,551	65,911	7,611,474	46,853
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	574,078	532,765 ^r	730,182	715,342
Malleable — Malléable	256,973	155,448 ^r	(3)	(3)
Pig iron — Total — Fonte en gueuses	6,727,602	754,124 ^r	8,341,656	762,195
Ferro-alloys — Ferro-alliages	183,734	182,955	191,063	200,323

(1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores. — Inclus les produits ferreux obtenus lors de l'affinage des minerais de titane.

(3) Included with "Foundry". — Inclus avec "La Fonderie."

TABLE 4. Steel Furnace Capacity, January 1, 1970

TABLEAU 4. Capacité des fours d'acier, 1^{er} janvier 1970

	Annual capacity — Capacité annuelle
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres
<u>Ingots — Lingots</u>	
Basic open hearth — Four à sole, marche basique	6,970,000
Electric — Four électrique	2,055,450
Basic oxygen furnace — Four à oxygène, marche basique	3,800,000
Ingots — Total — Lingots	12,825,450
Steel castings — Moulages d'acier	415,925
Ingots and castings — Total — Lingots et moulages	13,241,375

TABLE 5. Pig Iron and Scrap Charged to Steel Furnaces

TABLEAU 5. Charges de fonte en gueuses et de ferraille dans les fours d'acier

	November - Novembre		Year to date — Total cumulatif	
	1969	1970	1969	1970
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
Pig iron — Fonte en gueuses	581,721	636,830	5,639,186	7,431,050
Scrap — Ferraille:				
Own make — De propre fabrication	276,971	284,429	2,662,028	3,246,521
Purchased — Achetée	228,645	245,624	1,955,732	2,185,323
Pig iron and scrap — Total — Fonte en gueuses et ferraille	1,087,337	1,166,883	10,256,946	12,862,894

TABLE 6. Production and Shipments of Steel Ingots and Castings

TABLEAU 6. Production et expéditions de lingots et moulages d'acier

	1969		1970	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>November — Novembre</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth — Four à sole, marche basique	806,592	16,937	861,774	16,773
Electric — Four électrique	141,644	27,372	144,950	25,829
Basic oxygen furnace — Four à oxygène, marche basique ...	(2)	(2)	(2)	(2)
Steel ingots — Total — Lingots d'acier	948,236	44,309	1,006,724	42,602
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus	109,685	x	122,029	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	72,679 ⁽¹⁾	x	86,751	x
<u>Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth — Four à sole, marche basique	(3)	(3)	(3)	—
Electric — Four électrique	12,684	13,132	17,952	15,801
Basic oxygen furnace — Four à oxygène, marche basique ...	—	—	—	—
Steel castings — Total — Moulages d'acier	12,684	13,132	17,952	15,801
<u>Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese, and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistants à l'abrasion	568	327	712	489
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion	1,990	2,334	2,503	2,280
All other alloys — Tous autres alliages	816	963	778	849
Alloy castings — Total — Moulages d'acier allié	3,374	3,624	3,993	3,618

(1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine. (2) Included with "Basic open hearth". — Inclus avec les moulages de "Four à sole, marche basique". (3) Included with "Electric". — Inclus avec "Four électrique".

TABLE 6A. Production and Shipments of Steel Ingots and Castings
TABLEAU 6A. Production et expéditions de lingots et moulages d'acier

	1969		1970	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>Year to date — Total cumulatif</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth — Four à sole, marche basique	7,681,799	183,998	9,666,788	162,110
Electric — Four électrique	1,445,800	247,808	1,504,865	293,605
Basic oxygen furnace — Four à oxygène, marche basique	(2)	(2)	(2)	(2)
Steel ingots — Total — Lingots d'acier	9,127,599	431,806	11,171,653	455,715
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus	1,099,044	x	1,290,005	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	717,138 ^r	x	954,526	x
<u>Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth — Four à sole, marche basique	(3)	(3)	(3)	(3)
Electric — Four électrique	140,091	140,815	174,024	163,724
Basic oxygen furnace — Four à oxygène, marche basique	—	—	—	—
Steel castings — Total — Moulages d'acier	140,091	140,815	174,024	163,724
<u>Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistants à l'abrasion	6,981	4,095	7,173	4,761
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion	21,763	23,723	24,500	24,593
All other alloys — Tous autres alliages	9,941	9,855	8,558	9,173
Alloy castings — Total — Moulages d'acier allié	38,685	37,673	40,231	38,527

See footnote(s) at end of Table 6. — Voir renvoi(s) à la fin du Tableau 6.

TABLE 7. Disposition of Shipments(1) of Steel Castings
TABLEAU 7. Écoulement des expéditions(1) de moulages d'acier

	November — 1970 — Novembre		Year to date — Total cumulatif	
	Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
Wholesalers and warehouses — Commerce de gros et entrepôts	—	5	36	47
Export — Exportation	1,421	84	15,250	2,707
Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	503	—	6,171	—
Agricultural(2) — Agriculture(2)	69	85	948	432
Construction(3)	50	257	752	2,714
Machinery and tools — Machines et outils	1,926	699	18,871	6,146
Natural resources and extractive industries(4) — Industries des ressources naturelles et de l'extraction(4)	1,010	1,606	10,064	17,660
Railway operating — Matériel ferroviaire fixe	3,248	356	42,889	2,668
Railroad cars and locomotives — Matériel roulant de chemin de fer	3,653	260	27,239	2,808
Shipbuilding — Construction de navires	43	9	623	89
Miscellaneous(5) — Divers(5)	260	257	2,354	3,256
Total	12,183	3,618	125,197	38,527

(1) (a) Compiled by principal consuming industries according to the Steel Distribution Index revised January 1964. — Compilé par les principales industries de consommation, d'après le Steel Distribution Index révisé en janvier 1964. (b) Includes producers' own-make castings allocated to appropriate consuming industry. — Inclut les moulages d'acier de propre fabrication des fabricants affectés à l'industrie de consommation appropriée. (2) Including implement and equipment manufacturers. — Y compris les fabricants d'instruments et de matériel agricoles. (3) Including public works, public utilities and structural steel fabricators. — Y compris les travaux publics, les services d'utilité publique et les fabricants d'acier de charpente. (4) Including mining, lumbering, quarrying, oil and gas, including refineries, etc. — Y compris l'industrie minière, l'exploitation du bois-d'oeuvre, les carrières, le pétrole et le gaz, et les raffineries, etc. (5) Including grinding balls and railway car wheels. — Y compris les broyeurs à boulets et les roues des voitures et wagons de chemin de fer.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

TABLEAU 8. Production mensuelle de fonte en gueuses, de ferro-alliages et de lingots et moulages d'acier

	Pig iron — Fonte en gueuses	Ferro- alloys — Ferro- alliages	Steel — Acier		
			Ingots — Lingots	Castings — Moulages	Steel — Total — Acier
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>1969</u>					
January — Janvier	708,626	14,822	986,844	11,731	998,575
February — Février	647,814	16,029	899,685	12,554	912,239
March — Mars	768,830	17,506	1,022,559	13,398	1,035,957
April — Avril	774,949	17,889	1,012,947	14,239	1,027,186
May — Mai	782,891	15,862	1,013,833	15,033	1,028,866
June — Juin	726,491	18,453	974,843	13,888	988,731
July — Juillet	732,290	15,152	942,868	10,659	953,527
August — Août	286,697	16,564	387,527	10,628	398,155
September — Septembre	295,861	19,750	408,395	12,527	420,922
October — Octobre	357,217	15,033	529,862	12,750	542,612
November — Novembre	645,936	16,674	948,236	12,684	960,920
December — Décembre	733,617	20,570	1,024,247	14,615	1,038,862
Total	7,461,219	204,304	10,151,846	154,706	10,306,552
<u>1970</u>					
January — Janvier	788,315	15,124	1,042,829	14,136	1,056,965
February — Février	722,075	15,534	973,253	14,973	988,226
March — Mars	815,211	19,017	1,078,812	15,718	1,094,530
April — Avril	783,074	16,645	1,037,231	16,911	1,054,142
May — Mai	815,498	15,627	1,063,555	16,511	1,080,066
June — Juin	777,667	19,689	1,017,287	17,091	1,034,378
July — Juillet	770,733	17,840	986,555	11,216	997,771
August — Août	738,009	15,788	969,174	14,709	983,883
September — Septembre	703,728	19,827	956,946	17,328	974,274
October — Octobre	741,942	17,850	1,039,287	17,479	1,056,766
November — Novembre	728,891	18,122	1,006,724	17,952	1,024,676
December — Décembre					
Total					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

TABEAU 9. Production et expéditions de tuyaux, tubes et raccords en acier

	1969		1970	
	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>November — Novembre</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	20,708	22,544	33,305	28,498
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	24,689	22,633	31,984	34,587
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	9,906	14,437	21,280	20,853
Total	55,303	59,614	86,569	83,938
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	124	202	73	101
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	619	675	719	777
Total	743	877	792	878
<u>Year to date — Total cumulatif</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	259,994	271,193	285,877	257,503
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	436,327	450,280	490,440	481,066
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	201,086	209,231	226,545	217,235
Total	897,407	930,704	1,002,862	955,804
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	1,027	1,222	1,239	1,793
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	6,219	6,789	6,855	7,537
Total	7,246	8,011	8,094	9,330

(1) Included with "Other", — Inclus avec "Autre".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

TABLEAU 10. Production et écoulement des expéditions de produits de lingots et laminages d'acier

	Production	Imports — Importations	All shipments — Total (1) — Des expéditions	Shipments for further processing (1) — Expéditions pour traitement ultérieur (1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
November — 1970 — Novembre					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	67,688	25,732	55,117	43,168	11,949
For forging and piercing — Pour forgeage et perforation	24,670	—	20,150	...	20,150
Rails	25,472	—	26,337	...	26,337
Wire rods — Fils machine	52,832	—	54,626	128	54,498
Structural shapes — Profilés de charpente:					
Heavy — Lourds	54,412	—	52,253	...	52,253
Bar-sized shapes — De la grosseur d'une barre ...	12,573	—	14,606	...	14,606
Concrete reinforcing bars — Barres d'armature ou ronds à béton	58,075	—	59,707	2,273	57,434
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	9,528	—	12,824	1,222	48,088
Other — Autres	36,397	—	36,486		
Tie plates and track material — Selles d'appui et matériel de voies ferrées					
Angle bars — Cornières	—	—	26	...	26
Tie plates — Selles d'appui	—	—	29	...	29
Track spikes — Crampons de traverses de chemin de fer	304	—	442	...	442
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	73,249	—	74,319	...	74,319
Hot rolled sheets — Tôles laminées à chaud	120,353	—	117,762	1,975	115,787
Hot rolled strip — Feuillard laminé à chaud	27,472	—	27,902	154	27,748
Hot rolled products — Total — Produits laminés à chaud	563,025	25,732	552,586	48,920	503,666
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	4,410	—	4,694	...	4,694
Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	127,956	—	135,133	2,950	132,183
Galvanized sheets — Tôles galvanisées	51,364	—	55,617	224	55,393
Cold rolled and coated — Total — Laminés à froid et revêtus	183,730	—	195,444	3,174	192,270
Carbon steel — Total — Acier au carbone ...	746,755	25,732	748,030	52,094	695,936
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	8,356	—	8,356	...	8,356
Alloy plates — Plaques d'alliage	11,622	—	11,622	...	11,622
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	21,460	—	21,375	53	21,322
Cold finished bars — Barres étirées à froid	342	—	376	...	376
Wire rods — Fils machine	646	—	646	...	646
Hot and cold rolled sheets and strip cold rolled other — Tôles et feuillards laminés à chaud et à froid autres laminés à froid	7,647	1,659	10,143	...	10,143
Alloy steel — Total — Acier allié	50,073	1,659	52,518	53	52,465

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

TABLEAU 10A. Production et écoulement des expéditions de lingots et de laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
<u>Year to date — Total cumulatif</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	617,558	196,772(2)	575,997	440,537	135,460
For forging and piercing — Pour forgeage et perforation	278,133	—	249,000	...	249,000
Rails	328,067	—	324,015	...	324,015
Wire rods — Fils machine	510,686	—	519,223	5,222	514,001
Structural shapes — Profilés de charpente:					
Heavy — Lourds	607,705	—	575,715	1,544	574,171
Bar-sized shapes — De la grosseur d'une barre ...	134,727	—	126,980	...	126,980
Concrete reinforcing bars — Barre d'armature ou ronds à béton	671,840	160	696,796	4,237	692,559
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	58,238	—	114,915		
Other — Autres	480,818	—	434,255	18,920	530,250
Tie plates and track material — Selles d'appui et matériel de voies ferrées					
Angle bars — Cornières	5,749	—	6,204	...	6,204
Tie plates — Selles d'appui	70,142	—	73,174	...	73,174
Track spikes — Crampons de traverses de chemin de fer	11,146	—	11,304	...	11,304
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	1,057,160	—	1,075,063	77	1,074,986
Hot rolled sheets — Tôles laminées à chaud	1,184,858	18,187	1,167,655	40,428	1,127,227
Hot rolled strip — Feuillard laminé à chaud	331,083	—	328,482	514	327,968
Hot rolled products — Total — Produits laminés à chaud	6,347,910	215,119(2)	6,278,778	511,479	5,767,299
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	55,569	—	57,261	...	57,261
Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard laminés à froid autres laminés à froid et revêtus (excluant l'étain)	1,535,805	—	1,520,528	38,653	1,481,875
Galvanized sheets — Tôles galvanisées	606,459	—	596,672	2,499	594,173
Cold rolled and coated — Total — Laminés à froid et revêtus	2,197,833	—	2,174,461	41,152	2,133,309
Carbon steel — Total — Acier au carbone ...	8,545,743	215,119(2)	8,453,239	552,631	7,900,608
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	71,229	—	71,229	...	71,229
Alloy plates — Plaques d'alliage	105,484	—	105,484	...	105,484
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	219,836	—	220,484	584	219,900
Cold finished bars — Barres étirées à froid	5,253	—	5,444	...	5,444
Wire rods — Fils machine	7,005	—	7,009	4	7,005
Hot and cold rolled sheets and strip cold rolled other — Tôles et feuillard laminés à chaud et à froid autres laminés à froid	80,396	19,906	111,280	...	111,280
Alloy steel — Total — Acier allié	489,203	19,906	520,930	588	520,342

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' inter-change own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

(2) Includes revisions for year to date. — Comprend les revisions de l'année à ce jour.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

TABEAU 11. Écoulement des expéditions nettes(1) de produits de laminages d'acier

SDI No. — N° du SDI		November — 1970 — Novembre		Year to date — Total cumulatif	
		Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
		net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
4a	Wholesalers and warehouses — Steel service centres — Commerce de gros et entrepôts — Centres de service de l'acier	90,202	2,277	1,007,714	28,014
b	Other warehouses — Autres entrepôts	12,292	20	107,236	241
6	Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	68,141	10,809	666,704	132,993
7	Agricultural — Agriculture	15,277	763	124,215	4,634
8a	Contractors — Building — Entrepreneurs — Construction	43,018	—	493,742	2,034
b	Construction — Public and utility — Travaux publics et service d'utilité publique	1,738	—	33,574	12
c	Structural steel fabricators — Fabricants d'acier de charpente	87,268	3,928	930,363	24,886
9	Containers — Conténants	34,994	47	484,854	192
10	Machinery and tools — Machines et outils	22,737	3,732	239,548	37,798
11	Wire, wire products and fasteners — Fil métallique, produits en fil métallique et attaches	50,063	798	494,026	17,379
12	Natural resources and extractive industries — Ressources naturelles et industries de l'extraction	13,742	7,466	154,109	43,254
13	Appliances and utensils — Appareils et ustensiles	14,097	169	141,846	1,689
14	Other metal stamping and pressing — Autres articles estampés et matricés	35,142	1,212	390,059	20,863
16	Railway operating — Matériel ferroviaire fixe	27,135	753	374,523	2,785
17	Railroad cars and locomotives — Matériel roulant de chemin de fer	8,894	3,669	79,944	34,503
18	Shipbuilding — Construction de navires	2,623	10	51,683	6,220
19	Pipes and tubes — Tuyaux et tubes	76,982	4,434	1,000,170	52,087
20	Miscellaneous — Divers	5,554	276	58,024	2,172
	Domestic shipments — Total — Expéditions au pays	609,899	40,363	6,832,334	411,756
5a	Export — For conversion and return — Exportation — Pour transformation et retour	—	1,103	—	17,141
b	Other export (for final sale) — Autres exportations (vente)				
i	USA — É.-U.	64,104	8,849	653,290	66,588
ii	Other countries — Autres pays	21,933	2,150	414,984	24,857
	Domestic and export shipments — Total — Expéditions et exportation au pays	695,936	52,465	7,900,608	520,342
	Production (for sale only) — Production (pour la vente seulement)	746,755	50,073	8,545,743	489,203
	Imports by producers (including conversion) — Importation par les fabricants (y compris la transformation)	25,732	1,659	215,119(2)	19,906

(1) Compiled by principal consuming industries according to the "Steel Distribution Index", revised January 1964. — Compilé par les principales industries de consommation d'après le Steel Distribution Index révisé en janvier 1964.

(2) Includes revisions for year to date. — Comprend les révisions de l'année à ce jour.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

November 1970

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machine	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	4	190	—	10,010	3,556	16,889	9,334	51
b	Other warehouses	—	122	—	3,377	1,016	350	879	—
6	Automotive and aircraft industries	2,717	—	170	43	—	—	12,379	1
7	Agricultural	—	—	29	407	695	—	4,693	—
8a	Contractors — Building	7	—	83	1,109	89	7,843	307	1
b	Construction — Public and utility	—	17	—	14	163	531	134	—
c	Structural steel fabricators	—	12	924	29,907	6,955	19,606	7,487	3
9	Containers	—	—	—	—	—	—	5	—
10	Machinery and tools	—	—	1,322	2,432	201	—	3,005	—
11	Wire, wire products and fasteners	871	—	41,124	—	499	22	4,131	138
12	Natural resources and extractive industries.	729	1,164	—	258	64	1,038	15,049	64
13	Appliances and utensils	—	—	24	262	—	—	47	30
14	Other metal stamping and pressing	404	41	316	198	471	10,924	3,285	6
16	Railway operating	—	24,632	—	289	79	—	888	199
17	Railroad cars and locomotives	2,637	—	—	1,277	44	—	534	—
18	Shipbuilding	—	—	—	189	2	—	16	—
19	Pipes and tubes	15,401	—	50	—	—	10	—	—
20	Miscellaneous	2,678	—	—	—	46	88	168	—
	Total domestic shipments	25,448	26,178	44,042	49,772	13,880	57,301	62,341	493
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	15,002	159	4,064	2,481	726	93	6,206	—
ii	Other countries	5	—	7,038	—	—	40	863	4
	Total domestic and export shipments.	40,455	26,337	55,144	52,253	14,606	57,434	69,410	497
	Production (for sale only)	100,714	25,472	53,478	54,412	12,573	58,075	67,385	304
	Imports by producers (including conversion).	25,732	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Novembre 1970

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Toles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Toles et feuillard, laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	Galvanized sheets — Toles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
10,996	13,083	502	1,602	16,091	10,171	92,479	Commerce de gros et entrepôts - Centres de service de l'acier.	4a
1,252	2,450	187	—	2,679	—	12,312	Autres entrepôts	b
1,059	44,023	2,494	1,102	13,259	1,703	78,950	Industries de l'automobile et de l'aéronautique.	6
2,296	5,433	135	721	1,535	96	16,040	Agriculture	7
1,224	2,706	650	8	3,694	25,297	43,018	Entrepreneurs - Construction	8a
146	513	—	—	178	42	1,738	Construction - Travaux publics et service d'utilité publique.	b
16,226	4,735	1,231	12	583	3,515	91,196	Fabricants d'acier de charpente	c
296	402	47	—	34,121	170	35,041	Contenants	9
5,624	4,043	211	777	7,780	1,074	26,469	Machines et outils	10
690	1,851	44	156	1,215	120	50,861	Fil métallique, produits en fil métallique et attaches.	11
1,615	696	1	26	421	83	21,208	Industries des ressources naturelles et de l'extraction.	12
1,054	1,972	42	80	9,203	1,552	14,266	Appareils et ustensiles	13
2,145	3,702	260	246	12,137	2,219	36,354	Autres articles estampés et matricés ...	14
1,511	237	—	—	5	48	27,888	Matériel ferroviaire fixe	16
6,961	1,110	—	—	—	—	12,563	Matériel roulant de chemin de fer	17
1,826	536	—	19	—	45	2,633	Construction de navires	18
20,006	15,266	21,688	36	8,153	806	81,416	Tuyaux et tubes	19
447	—	—	36	2,347	20	5,830	Divers	20
75,374	102,758	27,492	4,821	113,401	46,961	650,262	Total, expéditions au pays	
—	—	—	—	1,103	—	1,103	Exportation - Pour transformation et retour.	5a
10,567	13,794	256	208	14,354	5,043	72,953	Autres exportation (vente)	b
—	85	—	41	12,618	3,389	24,083	É.-U.	i
							Autres pays	ii
85,941	116,637	27,748	5,070	141,476	55,393	748,401	Total, expéditions et exportation au pays.	
84,871	121,203	27,472	4,752	134,753	51,364	796,828	Production (pour la vente seulement)	
—	—	—	—	1,659	—	27,391	Importation par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Year to date

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machines	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	125	2,495	194	108,891	35,963	167,709	100,920	628
b	Other warehouses	—	2,493	—	27,623	7,080	4,444	7,344	490
6	Automotive and aircraft industries	32,131	—	1,072	939	387	41	167,472	1
7	Agricultural	23	—	143	4,151	5,029	16	32,256	—
8a	Contractors — Building	20	240	1,738	8,452	500	87,506	4,798	135
b	Construction — Public and utility	2	197	—	7,383	370	12,880	1,730	46
c	Structural steel fabricators	1,311	784	8,028	329,640	50,187	191,000	69,122	72
9	Containers	—	—	—	—	—	—	1,564	—
10	Machinery and tools	24	108	14,085	12,704	2,987	286	32,827	3
11	Wire, wire products and fasteners	8,057	—	380,736	70	3,035	461	72,211	4,557
12	Natural resources and extractive industries.	6,170	10,952	—	4,860	302	15,199	122,613	2,561
13	Appliances and utensils	—	—	24	564	186	22	582	30
14	Other metal stamping and pressing	4,953	785	2,162	2,605	4,000	124,344	36,563	32
16	Railway operating	42	271,132	—	3,189	573	—	6,700	81,409
17	Railroad cars and locomotives	28,010	13	—	6,794	212	—	5,125	2
18	Shipbuilding	67	5	—	3,998	231	1	1,343	—
19	Pipes and tubes	189,356	—	1,267	—	(— 50)	837	54	—
20	Miscellaneous	37,263	—	1,885	183	310	3,779	1,929	101
	Total domestic shipments	307,554	289,204	411,334	522,046	111,302	608,525	665,153	90,067
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	63,908	14,992	41,194	52,021	14,213	15,512	72,396	285
ii	Other countries	84,227	19,819	68,478	104	1,465	68,522	12,601	330
	Total domestic and export shipments.	455,689	324,015	521,006	574,171	126,980	692,559	750,150	90,682
	Production (for sale only)	966,920	328,067	517,691	607,705	134,727	671,840	758,892	87,037
	Imports by producers (including conversion).	196,772 (2)	—	—	—	—	160	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

(2) Includes revisions for year to date.

TABLEAU 12A. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Total cumulatif								
Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	Galvanized sheets — Tôles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
178,814	147,293	2,940	23,830	152,295	113,631	1,035,728	Commerce de gros et entrepôts — Centres de service de l'acier.	4a
16,801	20,778	2,099	—	18,325	—	107,477	Autres entrepôts	b
7,827	377,261	25,321	14,027	152,338	20,880	799,697	Industries de l'automobile et de l'aéronautique.	6
14,320	36,522	1,197	7,329	25,619	2,244	128,849	Agriculture	7
16,580	42,411	6,684	294	50,960	275,458	495,776	Entrepreneurs — Construction	8a
3,097	5,402	—	—	1,971	508	33,586	Construction — Travaux publics et service d'utilité publique.	b
218,560	34,283	9,861	642	8,429	33,330	955,249	Fabricants d'acier de charpente	c
1,966	5,718	537	—	473,715	1,546	485,046	Contenants	9
62,243	42,251	7,000	8,592	82,963	11,273	277,346	Machines et outils	10
5,034	19,024	375	1,995	14,302	1,548	511,405	Fil métallique, produits en fil métallique et attachés.	11
17,376	7,849	18	240	5,817	3,406	197,363	Industries des ressources naturelles et de l'extraction.	12
6,759	21,856	951	1,060	92,049	19,452	143,535	Appareils et ustensiles	13
28,486	43,684	4,153	2,466	131,592	25,097	410,922	Autres articles estampés et matricés ...	14
11,405	2,369	—	65	156	268	377,308	Matériel ferroviaire fixe	16
66,448	7,455	—	32	26	330	114,447	Matériel roulant de chemin de fer	17
46,502	5,347	195	87	82	45	57,903	Construction de navires	18
383,324	148,940	261,677	204	60,507	6,141	1,052,257	Tuyaux et tubes	19
2,609	127	—	333	11,280	397	60,196	Divers	20
1,088,151	968,570	323,008	61,196	1,282,426	515,554	7,244,090	Total, expéditions au pays	
—	—	—	—	17,141	—	17,141	Exportation — Pour transformation et retour.	5a
92,317 2	127,920 39,473	4,960 —	1,261 248	154,537 130,315	64,362 14,257	719,878 439,841	Autres exportation (vente) É.-U. Autres pays	b i ii
1,180,470	1,135,963	327,968	62,705	1,584,419	594,173	8,420,950	Total, expéditions et exportation au pays.	
1,162,644	1,193,594	331,083	60,822	1,607,465	606,459	9,034,946	Production (pour la vente seulement)	
—	18,187	—	—	19,906	—	235,025 (2)	Importations par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

(2) Comprend les révisions de l'année à ce jour.

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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications.

.. figures not available.

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- nil or zero.

-- amount too small to be expressed.

P preliminary figures.

r revised figures.

x confidential to meet secrecy requirements of the Statistics Act.

Note: The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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... n'ayant pas lieu de figurer.

- néant ou zéro.

-- nombres infimes.

P nombres provisoires.

r nombres rectifiés.

x confidentiel en vertu des dispositions de la Loi sur la statistique relatives au secret.

Nota: Les termes expéditions, expéditions nettes, utilisés dans cette publication, se rapportent aux expéditions des producteurs.

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TABLE 1. Pig Iron Capacity, January 1, 1970

TABLEAU 1. Capacité de fonte en gueuses, 1^{er} janvier 1970

	In blast or in use — En activité		Banked, blown out or idle — Vide, hors feu ou chômant	
	Furnaces — Fours	Annual capacity — Capacité annuelle	Furnaces — Fours	Annual capacity — Capacité annuelle
	No. — nomb.	net tons — tonnes nettes	No. — nomb.	net tons — tonnes nettes
Blast furnaces — Hauts fourneaux	14	9,005,000	1	150,000
Electric furnaces — Fours électriques	11	575,000	—	—
Total	25	9,580,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

TABLEAU 2. Charges des hauts fourneaux de fer(1)

	December - 1970 - Décembre	Year to date — Total cumulatif
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Crude iron ore — Minerai de fer brut</u>		
From Canadian mines — Des mines canadiennes	9,701	175,721
From foreign mines — Des mines étrangères	24,924	249,823
Pyrite cinder — Cendre de pyrite	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.) — Minerai de fer sinter, bouletté, etc.)</u>		
From Canadian mines — Des mines canadiennes	798,888	9,764,380
From foreign mines — Des mines étrangères	131,991	1,656,733
From own processing — De propre traitement	99,163	1,168,741
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.)	24,361	283,872
Scrap iron and steel — Ferraille de fer et d'acier	9,548	155,984
Limestone — Pierre calcaire	37,234	683,769
Dolomite — Dolomie	43,511	476,070
Coke	381,569	4,596,770

(1) Does not include charges into furnaces used in the smelting of titanium ores. — Ne comprend pas les charges des fours utilisées pour l'affinage des minerais de titane.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Inclus avec les scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys
TABLEAU 3. Production et expéditions de fonte en gueuses et de ferro-alliages

	1969		1970	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>December — Décembre</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	660,413	4,421	663,717	4,658
Foundry (including silvery pig) (2) — De fonderie (inclus la fonte grise claire) (2)	54,611	108,539 ^r	80,582	88,295
Malleable — Malléable	18,544 ^r	17,879 ^r	(3)	(3)
Pig iron — Total — Fonte en gueuses	733,568 ^r	130,839 ^r	744,299	92,953
Ferro-alloys — Ferro-alliages	20,570	22,276	18,493	20,051
Stocks of pig iron on hand at end of month — Stocks de fonte en gueuses à la fin du mois	214,653		258,301	
<u>Year to date — Total cumulatif</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	6,556,964	70,332	8,275,191	51,511
Foundry (including silvery pig) (2) — De fonderie (inclus la fonte grise claire) (2)	628,689	641,304 ^r	810,764	803,637
Malleable — Malléable	275,517 ^r	173,327 ^r	(3)	(3)
Pig iron — Total — Fonte en gueuses	7,461,170 ^r	884,963 ^r	9,085,955	855,148
Ferro-alloys — Ferro-alliages	204,304	205,231	209,556	220,374

- (1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine.
(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores. — Inclus les produits
ferreux obtenus lors de l'affinage des minerais de titane.
(3) Included with "Foundry". — Inclus avec "La Fonderie."

TABLE 4. Steel Furnace Capacity, January 1, 1970
TABLEAU 4. Capacité des fours d'acier, 1^{er} janvier 1970

	Annual capacity — Capacité annuelle
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres
<u>Ingots — Lingots</u>	
Basic open hearth — Four à sole, marche basique	6,970,000
Electric — Four électrique	2,055,450
Basic oxygen furnace — Four à oxygène, marche basique	3,800,000
Ingots — Total — Lingots	12,825,450
Steel castings — Moulages d'acier	415,925
Ingots and castings — Total — Lingots et moulages	13,241,375

TABLE 5. Pig Iron and Scrap Charged to Steel Furnaces

TABLEAU 5. Charges de fonte en gueuses et de ferraille dans les fours d'acier

	December — Décembre		Year to date — Total cumulatif	
	1969	1970	1969	1970
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
Pig iron — Fonte en gueuses	657,118	632,265	6,296,304	8,063,315
Scrap — Ferraille:				
Own make — De propre fabrication	291,025	280,747	2,953,053	3,527,268
Purchased — Achetée	225,977	228,068	2,181,709	2,413,391
Pig iron and scrap — Total — Fonte en gueuses et ferraille	1,174,120	1,141,080	11,431,066	14,003,974

TABLE 6. Production and Shipments of Steel Ingots and Castings

TABLEAU 6. Production et expéditions de lingots et moulages d'acier

	1969		1970	
	Tonnage made (1) — Tonnes fabriquées (1)	Tonnage shipped — Tonnes expédiées	Tonnage made (1) — Tonnes fabriquées (1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>December — Décembre</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth — Four à sole, marche basique	885,567	12,837	857,689	26,161
Electric — Four électrique	138,680	27,734	125,070	25,537
Basic oxygen furnace — Four à oxygène, marche basique ...	(2)	(2)	(2)	(2)
Steel ingots — Total — Lingots d'acier	1,024,247	40,571	982,759	51,698
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus	113,769	x	108,458	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	84,548 ⁽¹⁾	x	89,693	x
<u>Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth — Four à sole, marche basique	—	—	—	—
Electric — Four électrique	14,615	13,144	17,696	18,228
Basic oxygen furnace — Four à oxygène, marche basique ...	—	—	—	—
Steel castings — Total — Moulages d'acier	14,615	13,144	17,696	18,228
<u>Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese, and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	690	483	778	546
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion	2,134	2,269	2,846	2,896
All other alloys — Tous autres alliages	891	991	835	739
Alloy castings — Total — Moulages d'acier allié	3,715	3,743	4,459	4,181

(1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine. (2) Included with "Basic open hearth". — Inclus avec les moulages de "Four à sole, marche basique". (3) Included with "Electric". — Inclus avec "Four électrique".

TABLE 6A. Production and Shipments of Steel Ingots and Castings
TABLEAU 6A. Production et expéditions de lingots et moulages d'acier

	1969		1970	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>Year to date — Total cumulatif</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth — Four à sole, marche basique	8,567,366	196,835	10,524,477	188,271
Electric — Four électrique	1,584,480	275,542	1,629,935	319,142
Basic oxygen furnace — Four à oxygène, marche basique	(2)	(2)	(2)	(2)
Steel ingots — Total — Lingots d'acier	10,151,846	472,377	12,154,412	507,413
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus	1,212,813	x	1,398,463	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	801,686 ⁵	x	1,044,219	x
<u>Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth — Four à sole, marche basique	(3)	(3)	(3)	(3)
Electric — Four électrique	154,706	153,959	191,720	181,952
Basic oxygen furnace — Four à oxygène, marche basique	—	—	—	—
Steel castings — Total — Moulages d'acier	154,706	153,959	191,720	181,952
<u>Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	7,671	4,578	7,951	5,307
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion	23,897	25,992	27,346	27,489
All other alloys — Tous autres alliages	10,832	10,846	9,393	9,912
Alloy castings — Total — Moulages d'acier allié	42,400	41,416	44,690	42,708

See footnote(s) at end of Table 6. — Voir renvoi(s) à la fin du Tableau 6.

TABLE 7. Disposition of Shipments(1) of Steel Castings
TABLEAU 7. Écoulement des expéditions(1) de moulages d'acier

	December — 1970 — Décembre		Year to date — Total cumulatif	
	Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
Wholesalers and warehouses — Commerce de gros et entrepôts	—	5	36	52
Export — Exportation	3,572	236	18,822	2,943
Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	734	33	6,905	33
Agricultural(2) — Agriculture(2)	75	63	1,023	495
Construction(3)	27	315	779	3,029
Machinery and tools — Machines et outils	1,805	603	20,676	6,749
Natural resources and extractive industries(4) — Industries des ressources naturelles et de l'extraction(4)	1,077	1,470	11,141	19,130
Railway operating — Matériel ferroviaire fixe	4,375	341	47,264	3,009
Railroad cars and locomotives — Matériel roulant de chemin de fer	2,102	871	29,341	3,679
Shipbuilding — Construction de navires	37	5	660	94
Miscellaneous(5) — Divers(5)	243	239	2,597	3,495
Total	14,047	4,181	139,244	42,708

(1) (a) Compiled by principal consuming industries according to the Steel Distribution Index revised January 1964. — Compilé par les principales industries de consommation, d'après le Steel Distribution Index révisé en janvier 1964. (b) Includes producers' own-make castings allocated to appropriate consuming industry. — Inclus les moulages d'acier de propre fabrication des fabricants affectés à l'industrie de consommation appropriée. (2) Including implement and equipment manufacturers. — Y compris les fabricants d'instruments et de matériel agricoles. (3) Including public works, public utilities and structural steel fabricators. — Y compris les travaux publics, les services d'utilité publique et les fabricants d'acier de charpente. (4) Including mining, lumbering, quarrying, oil and gas, including refineries, etc. — Y compris l'industrie minière, l'exploitation du bois-d'oeuvre, les carrières, le pétrole et le gaz, et les raffineries, etc. (5) Including grinding balls and railway car wheels. — Y compris les broyeurs à boulets et les roues des voitures et wagons de chemin de fer.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

TABLEAU 8. Production mensuelle de fonte en gueuses, de ferro-alliages et de lingots et moulages d'acier

	Pig iron — Fonte en gueuses	Ferro- alloys — Ferro- alliages	Steel — Acier		
			Ingots — Lingots	Castings — Moulages	Steel — Total — Acier
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>1969</u>					
January — Janvier	708,626	14,822	986,844	11,731	998,575
February — Février	647,814	16,029	899,685	12,554	912,239
March — Mars	768,830	17,506	1,022,559	13,398	1,035,957
April — Avril	774,949	17,889	1,012,947	14,239	1,027,186
May — Mai	782,891	15,862	1,013,833	15,033	1,028,866
June — Juin	726,491	18,453	974,843	13,888	988,731
July — Juillet	732,290	15,152	942,868	10,659	953,527
August — Août	286,697	16,564	387,527	10,628	398,155
September — Septembre	295,861	19,750	408,395	12,527	420,922
October — Octobre	357,217	15,033	529,862	12,750	542,612
November — Novembre	645,936	16,674	948,236	12,684	960,920
December — Décembre	733,617	20,570	1,024,247	14,615	1,038,862
Total	7,461,219	204,304	10,151,846	154,706	10,306,552
<u>1970</u>					
January — Janvier	788,315	15,124	1,042,829	14,136	1,056,965
February — Février	721,075	15,534	973,253	14,973	988,226
March — Mars	815,211	19,017	1,078,812	15,718	1,094,530
April — Avril	783,074	16,645	1,037,231	16,911	1,054,142
May — Mai	794,136	15,627	1,063,555	16,511	1,080,066
June — Juin	756,542	19,689	1,017,287	17,091	1,034,378
July — Juillet	770,733	17,840	986,555	11,216	997,771
August — Août	738,009	15,788	969,174	14,709	983,883
September — Septembre	703,728	19,827	956,946	17,328	974,274
October — Octobre	741,942	17,850	1,039,287	17,479	1,056,766
November — Novembre	728,891	18,122	1,006,724	17,952	1,024,676
December — Décembre	744,299	18,493	982,759	17,696	1,000,455
Total	9,085,955	209,556	12,154,412	191,720	12,346,132

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

TABLEAU 9. Production et expéditions de tuyaux, tubes et raccords en acier

	1969		1970	
	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>December — Décembre</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	22,153	21,379	19,890	17,219
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	33,580	35,145	22,787	16,247
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	17,539	20,881	19,858	22,543
Total	73,272	77,405	62,535	56,009
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	75	101	85	122
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	500	590	716	775
Total	575	691	801	897
<u>Year to date — Total cumulatif</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	282,147	292,572	305,767	274,722
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	469,907	485,425	513,227	497,313
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	218,625	230,112	246,403	239,778
Total	970,679	1,008,109	1,065,397	1,011,813
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	1,102	1,323	1,324	1,915
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	6,719	7,379	7,571	8,312
Total	7,821	8,702	8,895	10,227

(1) Included with "Other". — Inclus avec "Autres".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

TABLEAU 10. Production et écoulement des expéditions de produits de lingots et laminages d'acier

	Production	Imports — Importations	All shipments — Total (1) — Des expéditions	Shipments for further processing (1) — Expéditions pour traitement ultérieur (1)	Net shipments — Expéditions nettes
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>December — 1970 — Décembre</u>					
<u>Carbon steel — Acier au carbone</u>					
Hot rolled — Laminé à chaud					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	60,227	24,332	62,661	40,970	21,691
For forging and piercing — Pour forgeage et perforation	13,743	—	18,430	...	18,430
Rails	28,306	—	29,210	...	29,210
Wire rods — Fils machine	45,471	—	47,008	257	46,751
Structural shapes — Profilés de charpente:					
Heavy — Lourds	49,443	—	44,687	...	44,687
Bar-sized shapes — De la grosseur d'une barre ...	7,774	—	10,313	...	10,313
Concrete reinforcing bars — Barres d'armature ou ronds à béton	58,111	—	38,201	5	38,196
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	2,833	—	2,595)	1,576	41,198
Other — Autres	41,288	—	40,179)		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	—	—	32	...	32
Tie plates — Selles d'appui	—	—	—	—	—
Track spikes — Crampons de traverses de chemin de fer	1,033	—	1,051	...	1,051
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	60,690	—	68,372	897	67,475
Hot rolled sheets — Tôles laminées à chaud	138,811	—	123,097	3,845	119,252
Hot rolled strip — Feuillard laminé à chaud	34,035	—	23,402	6	23,396
Hot rolled products — Total — Produits laminés à chaud	541,765	24,332	509,238	47,556	461,682
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	4,204	—	4,335	...	4,335
Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	129,041	—	122,111	1,854	120,257
Galvanized sheets — Tôles galvanisées	46,046	—	36,474	87	36,387
Cold rolled and coated — Total — Laminés à froid et revêtus	179,291	—	162,920	1,941	160,979
Carbon steel — Total — Acier au carbone ...	721,056	24,332	672,158	49,497	622,661
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	8,007	—	8,007	...	8,007
Alloy plates — Plaques d'alliage	7,455	—	7,455	...	7,455
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	16,215	—	16,534	48	16,486
Cold finished bars — Barres étirées à froid	356	—	351	...	351
Wire rods — Fils machine	812	—	812	...	812
Hot and cold rolled sheets and strip cold rolled other — Tôles et feuillards laminés à chaud et à froid autres laminés à froid	6,427	756	7,883	...	7,883
Alloy steel — Total — Acier allié	39,272	756	41,042	48	40,994

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

TABEAU 10A. Production et écoulement des expéditions de lingots et de laminages d'acier

	Production	Imports — Importations	All shipments — Total (1) — Des expéditions	Shipments for further processing (1) — Expéditions pour traitement ultérieur (1)	Net shipments — Expéditions nettes
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>Year to date — Total cumulatif</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	677,785	221,104	638,658	481,507	157,151
For forging and piercing — Pour forgeage et perforation	291,876	—	267,430	...	267,430
Rails	356,373	—	353,225	...	353,225
Wire rods — Fils machine	556,157	—	566,231	5,479	560,752
Structural shapes — Profilés de charpente:					
Heavy — Lourds	657,148	—	620,402	1,544	618,858
Bar-sized shapes — De la grosseur d'une barre ...	142,501	—	137,293	...	137,293
Concrete reinforcing bars — Barre d'armature ou ronds à béton	729,951	160	734,997	4,242	730,755
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	61,071	—	117,510	) 20,496	571,448
Other — Autres	522,106	—	474,434		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	5,749	—	6,236	...	6,236
Tie plates — Selles d'appui	70,142	—	73,174	...	73,174
Track spikes — Crampons de traverses de chemin de fer	12,179	—	12,355	...	12,355
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	1,117,850	—	1,143,435	974	1,142,461
Hot rolled sheets — Tôles laminées à chaud	1,323,669	18,187	1,290,752	44,273	1,246,479
Hot rolled strip — Feuillard laminé à chaud	365,118	—	351,884	520	351,364
Hot rolled products — Total — Produits laminés à chaud	6,889,675	239,451	6,788,016	559,035	6,228,981
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	59,773	—	61,596	...	61,596
Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard laminés à froid autres laminés à froid et revêtus (excluant l'étain)	1,664,846	—	1,642,639	40,507	1,602,132
Galvanized sheets — Tôles galvanisées	652,505	—	633,146	2,586	630,560
Cold rolled and coated — Total — Laminés à froid et revêtus	2,377,124	—	2,337,381	43,093	2,294,288
Carbon steel — Total — Acier au carbone ...	9,266,799	239,451	9,125,397	602,128	8,523,269
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	79,236	—	79,236	...	79,236
Alloy plates — Plaques d'alliage	112,939	—	112,939	...	112,939
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	236,051	—	237,018	632	236,386
Cold finished bars — Barres étirées à froid	5,609	—	5,795	...	5,795
Wire rods — Fils machine	7,817	—	7,821	4	7,817
Hot and cold rolled sheets and strip cold rolled other — Tôles et feuillards laminés à chaud et à froid autres laminés à froid	86,823	20,662	119,163	...	119,163
Alloy steel — Total — Acier allié	528,475	20,662	561,972	636	561,336

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

TABEAU 11. Écoulement des expéditions nettes(1) de produits de laminages d'acier

SDI No. — N° du SDI		December — 1970 — Décembre		Year to date — Total cumulatif	
		Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
		net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
4a	Wholesalers and warehouses — Steel service centres — Commerce de gros et entrepôts — Centres de service de l'acier	74,390	3,884	1,082,104	31,898
b	Other warehouses — Autres entrepôts	11,372	18	118,608	259
6	Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	45,525	10,571	712,229	143,564
7	Agricultural — Agriculture	11,022	694	135,237	5,328
8a	Contractors — Building — Entrepreneurs — Construction	26,927	7	520,669	2,041
b	Construction — Public and utility — Travaux publics et service d'utilité publique	1,610	—	35,184	12
c	Structural steel fabricators — Fabricants d'acier de charpente	62,083	2,638	992,446	27,524
9	Containers — Conténants	30,539	19	515,393	211
10	Machinery and tools — Machines et outils	17,692	2,925	257,240	40,723
11	Wire, wire products and fasteners — Fil métallique, produits en fil métallique et attaches	46,438	1,892	540,464	19,271
12	Natural resources and extractive industries — Ressources naturelles et industries de l'extraction	11,540	1,392	165,649	44,646
13	Appliances and utensils — Appareils et ustensiles	9,484	164	151,330	1,853
14	Other metal stamping and pressing — Autres articles estampés et matricés	24,693	2,255	414,752	23,118
16	Railway operating — Matériel ferroviaire fixe	28,033	336	402,556	3,121
17	Railroad cars and locomotives — Matériel roulant de chemin de fer	8,447	1,186	88,391	35,689
18	Shipbuilding — Construction de navires	1,624	17	53,307	6,237
19	Pipes and tubes — Tuyaux et tubes	63,473	5,546	1,063,643	57,633
20	Miscellaneous — Divers	4,284	101	62,308	2,273
	Domestic shipments — Total — Expéditions au pays	479,176	33,645	7,311,510	445,401
5a	Export — For conversion and return — Exportation — Pour transformation et retour	—	308	—	17,449
b	Other export (for final sale) — Autres exportations (vente)				
i	USA — É.-U.	94,280	4,658	747,570	71,246
ii	Other countries — Autres pays	49,205	2,383	464,189	27,240
	Domestic and export shipments — Total — Expéditions et exportation au pays	622,661	40,994	8,523,269	561,336
	Production (for sale only) — Production (pour la vente seulement)	721,056	39,272	9,266,799	528,475
	Imports by producers (including conversion) — Importation par les fabricants (y compris la transformation)	24,332	756	239,451	20,662

(1) Compiled by principal consuming industries according to the "Steel Distribution Index", revised January 1964. — Compilé par les principales industries de consommation d'après le Steel Distribution Index révisé en janvier 1964.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
December 1970

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machine	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	2,132	617	16	9,524	2,464	11,600	6,977	59
b	Other warehouses	—	70	—	2,750	1,018	2,137	545	—
6	Automotive and aircraft industries	1,496	—	270	133	30	—	13,411	—
7	Agricultural	—	—	11	326	404	—	3,584	—
8a	Contractors — Building	—	2	—	683	78	5,346	403	1
b	Construction — Public and utility	—	—	—	49	132	1,081	41	—
c	Structural steel fabricators	—	77	1,279	24,075	4,550	11,681	6,613	3
9	Containers	—	—	—	—	—	—	—	—
10	Machinery and tools	—	22	1,384	1,380	328	1	2,476	—
11	Wire, wire products and fasteners	578	—	37,520	—	113	13	6,447	861
12	Natural resources and extractive industries.	550	1,006	—	314	41	591	7,411	41
13	Appliances and utensils	—	—	—	121	35	—	5	—
14	Other metal stamping and pressing	345	—	277	346	574	5,482	2,248	—
16	Railway operating	11	26,398	—	421	50	—	252	115
17	Railroad cars and locomotives	2,446	219	—	1,192	82	—	338	—
18	Shipbuilding	—	—	—	34	24	—	6	—
19	Pipes and tubes	15,022	—	119	—	—	—	4	—
20	Miscellaneous	3,427	—	115	—	1	56	64	3
	Total domestic shipments	26,007	28,411	40,991	41,348	9,924	37,988	50,825	1,083
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	19,679	799	2,771	3,339	389	40	6,021	—
ii	Other countries	2,442	—	3,801	—	—	168	838	—
	Total domestic and export shipments.	48,128	29,210	47,563	44,687	10,313	38,196	57,684	1,083
	Production (for sale only)	81,977	28,306	46,283	49,443	7,774	58,111	60,336	1,033
	Imports by producers (including conversion).	24,332	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Décembre 1970

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	Galvanized sheets — Tôles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
11,471	12,838	98	1,506	10,637	8,335	78,274	Commerce de gros et entrepôts - Centres de service de l'acier.	4a
1,635	1,574	65	—	1,584	12	11,390	Autres entrepôts	b
773	25,919	1,476	1,059	9,837	1,692	56,096	Industries de l'automobile et de l'aéronautique.	6
1,559	4,029	139	873	771	20	11,716	Agriculture	7
1,300	2,045	344	29	3,369	13,334	26,934	Entrepreneurs - Construction	8a
63	59	—	—	185	—	1,610	Construction - Travaux publics et service d'utilité publique.	b
12,075	1,767	701	25	356	1,519	64,721	Fabricants d'acier de charpente	c
174	524	—	345	29,383	132	30,558	Contenants	9
5,089	3,014	627	270	5,356	670	20,617	Machines et outils	10
94	1,696	40	45	787	136	48,330	Fil métallique, produits en fil métallique et attaches.	11
1,849	338	—	5	658	128	12,932	Industries des ressources naturelles et de l'extraction.	12
860	1,440	32	71	5,853	1,231	9,648	Appareils et ustensiles	13
2,173	3,089	314	130	10,096	1,874	26,948	Autres articles estampés et matricés ...	14
857	256	—	—	—	9	28,369	Matériel ferroviaire fixe	16
5,144	212	—	—	—	—	9,633	Matériel roulant de chemin de fer	17
1,500	70	—	2	—	5	1,641	Construction de navires	18
18,342	12,927	18,832	10	3,622	141	69,019	Tuyaux et tubes	19
239	—	—	29	450	1	4,385	Divers	20
65,197	71,797	22,668	4,399	82,944	29,239	512,821	Total, expéditions au pays	
—	—	—	—	308	—	308	Exportation - Pour transformation et retour.	5a
9,733	31,509	728	261	18,301	5,368	98,938	Autres exportation (vente)	b
—	16,744	—	26	25,789	1,780	51,588	E.-U.	i
							Autres pays	ii
74,930	120,050	23,396	4,686	127,342	36,387	663,655	Total, expéditions et exportation au pays.	
68,145	139,609	34,035	4,560	134,670	46,046	760,328	Production (pour la vente seulement)	
—	—	—	—	756	—	25,088	Importation par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Year to date

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machines	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	2,257	3,112	210	118,415	38,427	179,309	107,897	687
b	Other warehouses	—	2,563	—	30,373	8,098	6,581	7,889	490
6	Automotive and aircraft industries	33,627	—	1,342	1,072	417	41	180,883	1
7	Agricultural	23	—	154	4,477	5,433	16	35,840	—
8a	Contractors — Building	20	242	1,738	9,135	578	92,852	5,201	136
b	Construction — Public and utility	2	197	—	7,432	502	13,961	1,771	46
c	Structural steel fabricators	1,311	861	9,307	353,715	54,737	202,681	75,735	75
9	Containers	—	—	—	—	—	—	1,564	—
10	Machinery and tools	24	130	15,469	14,084	3,315	287	35,303	3
11	Wire, wire products and fasteners	8,635	—	418,256	70	3,148	474	78,658	5,418
12	Natural resources and extractive industries.	6,720	11,958	—	5,174	343	15,790	130,024	2,602
13	Appliances and utensils	—	—	24	685	221	22	587	30
14	Other metal stamping and pressing	5,298	785	2,439	2,951	4,574	129,826	38,811	32
16	Railway operating	53	297,530	—	3,610	623	—	6,952	81,524
17	Railroad cars and locomotives	30,456	232	—	7,986	294	—	5,463	2
18	Shipbuilding	67	5	—	4,032	255	1	1,349	—
19	Pipes and tubes	204,378	—	1,386	—	(— 50)	837	58	—
20	Miscellaneous	40,690	—	2,000	183	311	3,835	1,993	104
	Total domestic shipments	333,561	317,615	452,325	563,394	121,226	646,513	715,978	91,150
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	83,587	15,791	43,965	55,360	14,602	15,552	78,417	285
ii	Other countries	86,669	19,819	72,279	104	1,465	68,690	13,439	330
	Total domestic and export shipments.	503,817	353,225	568,569	618,858	137,293	730,755	807,834	91,765
	Production (for sale only)	1,048,897	356,373	563,974	657,148	142,501	729,951	819,228	88,070
	Imports by producers (including conversion).	221,104	—	—	—	—	160	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12A. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Total cumulatif

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	Galvanized sheets — Tôles galvanisées	Total		Nº du SDI
tonnes nettes de 2,000 livres								
190,285	160,131	3,038	25,336	162,932	121,966	1,114,002	Commerce de gros et entrepôts — Centres de service de l'acier.	4a
18,436	22,352	2,164	—	19,909	12	118,867	Autres entrepôts	b
8,600	403,180	26,797	15,086	162,175	22,572	855,793	Industries de l'automobile et de l'aéronautique.	6
15,879	40,551	1,336	8,202	26,390	2,264	140,565	Agriculture	7
17,880	44,456	7,028	323	54,329	288,792	522,710	Entrepreneurs — Construction	8a
3,160	5,461	—	—	2,156	508	35,196	Construction — Travaux publics et service d'utilité publique.	b
230,635	36,050	10,562	667	8,785	34,849	1,019,970	Fabricants d'acier de charpente	c
2,140	6,242	537	345	503,098	1,678	515,604	Contenants	9
67,332	45,265	7,627	8,862	88,319	11,943	297,963	Machines et outils	10
5,128	20,720	415	2,040	15,089	1,684	559,735	Fil métallique, produits en fil métallique et attachés.	11
19,225	8,187	18	245	6,475	3,534	210,295	Industries des ressources naturelles et de l'extraction.	12
7,619	23,296	983	1,131	97,902	20,683	153,183	Appareils et ustensiles	13
30,659	46,773	4,467	2,596	141,688	26,971	437,870	Autres articles estampés et matricés ...	14
12,262	2,625	—	65	156	277	405,677	Matériel ferroviaire fixe	16
71,592	7,667	—	32	26	330	124,080	Matériel roulant de chemin de fer	17
48,002	5,417	195	89	82	50	59,544	Construction de navires	18
401,666	161,867	280,509	214	64,129	6,282	1,121,276	Tuyaux et tubes	19
2,848	127	—	362	11,730	398	64,581	Divers	20
1,153,348	1,040,367	345,676	65,595	1,365,370	544,793	7,756,911	Total, expéditions au pays	
—	—	—	—	17,449	—	17,449	Exportation — Pour transformation et retour.	5a
102,050	159,429	5,688	1,522	172,838	69,730	818,816	Autres exportation (vente)	b
2	56,217	—	274	156,104	16,037	491,429	E.-U.	i
							Autres pays	ii
1,255,400	1,256,013	351,364	67,391	1,711,761	630,560	9,084,605	Total, expéditions et exportation au pays.	
1,230,789	1,333,203	365,118	65,382	1,742,135	652,505	9,795,274	Production (pour la vente seulement)	
—	18,187	—	—	20,662	—	260,113	Importations par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

List of Reporting Firms

Liste des firmes déclarantes

Name — Nom	Plant location — Localisation de l'usine
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Pig Iron

Fonte en gueuses

Algoma Steel Corporation Ltd., The	Sault Ste. Marie, Ont.
Canadian Furnace Division of the Algoma Steel Corp'n. Ltd.	Port Colborne, Ont.
Cominco Ltd.	Kimberley, B.C.
Dominion Foundries & Steel Ltd.	Hamilton, Ont.
Quebec Iron & Titanium Corporation	Sorel, Que.
Steel Co. of Canada Ltd., The	Hamilton, Ont.
Sydney Steel Corporation	Sydney, N.S.

Steel Ingots and Steel Castings

Lingots et moulages d'acier

A-1 Steel and Iron Foundry Ltd.	Vancouver, B.C.
Abex Industries of Canada Ltd., Amsco Joliette Division	Joliette, Que.
	Selkirk, Man.
Algoma Steel Corporation Ltd., The	Sault Ste. Marie, Ont.
Atlas Steels Co., Division of Rio Algom Mines Ltd.	Tracy, Que.
	Welland, Ont.
Black Clawson-Kennedy Ltd.	Owen Sound, Ont.
Burlington Steel Co., Division of Slater Steel Industries Ltd.	Hamilton, Ont.
C.A.E. Machinery Ltd.	Vancouver, B.C.
Canadian Steel Foundries Division of Hawker Siddeley Canada Ltd.	Montreal, Que.
Canadian Steel Wheel Ltd.	Hochelaga, Montreal, Que.
Canadian Unitcast-Steel Ltd.	Sherbrooke, Que.
Cominco Ltd.	Kimberley, B.C.
	Tadanac, B.C.
Crucible Steel of Canada Ltd.	Sorel, Que.
Dominion Engineering Works Ltd.	Montreal, Que.
Dominion Foundries & Steel Ltd.	Hamilton, Ont.
Dosco - Montreal Works	Montreal, Que.
Enamel & Heating Products Ltd.	Amherst, N.S.
Esco Limited	Port Coquitlam, B.C.
Fahralloy-Canada Ltd.	Orillia, Ont.
Fahralloy - Wisconsin Ltd.	Orillia, Ont.
Foothills Steel Foundry, Division of Irving Industries Ltd.	Calgary, Alta.
Griffin Steel Foundries Ltd.	St. Hyacinthe, Que.
	Transcona, Man.
Indiana Steel Products Co. of Canada Ltd. The	Kitchener, Ont.
Interprovincial Steel & Pipe Corporation Ltd.	Regina, Sask.
Lake Ontario Steel Co. Ltd.	Whitby, Ont.
Lynn MacLeod Metallurgy Ltd.	Thetford Mines, Que.
Manganese Steel Castings Ltd.	Sherbrooke, Que.
Manitoba Rolling Mill Co. Ltd.	Selkirk, Man.
Maritime Steel Foundries Ltd.	New Glasgow, N.S.
Neelon Steel Ltd.	Sudbury, Ont.
Newfoundland Steel Co. Ltd.	St. John's, Nfld.
Quality Steel Foundries Ltd.	Edmonton, Alta.
Reliance Foundry Co. Ltd.	North Surrey, B.C.
Sorel Steel Foundries Ltd.	Sorel, Que.

List of Reporting Firms — Continued

Liste des firmes déclarantes — suite

Name — Nom	Plant location — Localisation de l'usine
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Steel Ingots and Steel Castings — Concluded

Lingots et moulages d'acier — fin

Steel Co. of Canada Ltd., The	Hamilton, Ont.
Sydney Steel Corporation	Edmonton, Alta.
Victoria Machinery Depot Co. Ltd.	Sydney, N.S.
Welmet Industries Ltd.	Victoria, B.C.
Western Canada Steel Ltd.	Welland, Ont.
	Calgary, Alta.
	Vancouver, B.C.

Ferro Alloys

Ferro-Alliages

Canadian Carborundum Co. Ltd.	Niagara Falls, Ont.
Chromium Mining & Smelting Corp. Ltd.	Montreal, Que.
Exolon Company, The	Thorold, Ont.
Lionite Abrasive Ltd.	Niagara Falls, Ont.
Norton Company	Chippawa, Ont.
Simonds Canada Abrasives Co.	Arvida, Que.
Union Carbide Canada Ltd. (Metals & Carbon Div.)	Beauharnois, Que.
	Welland, Ont.

Steel Pipe, Tubing and Fittings

Tuyaux, tubes et raccords en acier

Acton Nipple Inc.	Actonvale, Que.
Barton Tubes Limited	Burlington, Ont.
Bundy Tubing Co. of Canada Ltd.	Bramalea, Ont.
Canadian Acme Screw & Gear Co.	Toronto, Ont.
Canadian Phoenix Steel & Pipe Ltd.	Calgary, Alta.
	Edmonton, Alta.
	Port Moody, B.C.
Canadian Phoenix Steel & Pipe (Toronto) Ltd.	Toronto, Ont.
Canvil Ltd.	Simcoe, Ont.
Dosco - Montreal Works	Montreal, Que.
Frigidaire Division of General Motors of Canada Ltd.	Scarborough, Ont.
Galt Metal Industries	Galt, Ont.
General Spring Products Ltd.	Kitchener, Ont.
Goderich Tube & Steel Co.	Ajax, Ont.
Hayes-Dana Ltd.	Thorold, Ont.
Imperial Steel Products	Winnipeg, Man.
Interprovincial Steel & Pipe Corp. Ltd.	Regina, Sask.
Ladish Co. of Canada Ltd.	Brantford, Ont.
Mannesmann Tube Company Ltd.	Sault Ste. Marie, Ont.
Morina Electronics Mfg. Co. Ltd.	Etobicoke, Ont.
Prudential Steel Ltd.	Calgary, Alta.
Sonco Steel Products Ltd.	Brampton, Ont.
Standard Tube of Canada Ltd.	Montreal, Que.
	Woodstock, Ont.
	Winnipeg, Man.
Stanton Pipes Ltd.	Hamilton, Ont.

List of Reporting Firms — Concluded

Liste des firmes déclarantes — fin

Name — Nom	Plant location — Localisation de l'usine
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Steel Pipe, Tubing and Fittings — Concluded

Tuyaux, tubes et raccords en acier — fin

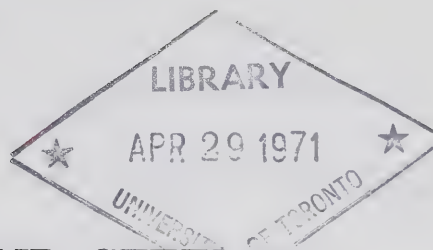
Steel Co. of Canada Ltd., The	Contrecoeur, Que. Montreal, Que. Hamilton, Ont. Camrose, Alta. Welland, Ont. Scarborough, Ont. Ridgetown, Ont. Welland, Ont.
(Page-Hersey Works)	
Tubular Steel Products Ltd.	
Tube Turns of Canada Ltd.	
Welland Tubes Ltd.	

Ingots and Rolled Steel Products

Lingots et laminages d'acier

Algoma Steel Corporation Ltd., The	Sault Ste. Marie, Ont.
Atlas Steels Co., Division of Rio Algom Mines Ltd.	Tracy, Que.
Burlington Steel Co., Division of Slater Industries Ltd.	Welland, Ont.
Canadian Steel Wheel	Hamilton, Ont.
Cominco Ltd.	Hochelaga, Montreal, Que.
Dominion Foundries & Steel Ltd.	Kimberley, B.C.
Dosco Steel Limited	Hamilton, Ont.
Enamel & Heating Products Ltd.	Contrecoeur, Que.
Interprovincial Steel & Pipe Corp. Ltd. (Steel Division)	Montreal, Que.
Lake Ontario Steel Co. Ltd.	Etobicoke, Ont.
Manitoba Rolling Mill Co. Ltd.	Amherst, N.S.
Newfoundland Steel Co. Ltd.	Regina, Sask.
Stanley Steel Co. Ltd.	Whitby, Ont.
Steel Co. of Canada Ltd., The	Winnipeg, Man.
Sydney Steel Corporation	St. John's, Nfld.
Union Drawn Steel Co. Ltd.	Hamilton, Ont.
Vic Metal Corporation	Hamilton, Ont.
Western Canada Steel Ltd.	Edmonton, Alta.
	Sydney, N.S.
	Hamilton, Ont.
	Victoriaville, Que.
	Calgary, Alta.
	Vancouver, B.C.

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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

.. figures not available.

... figures not appropriate or not applicable.

— nil or zero.

-- amount too small to be expressed.

P preliminary figures.

r revised figures.

x confidential to meet secrecy requirements of the Statistics Act.

Note: The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

SIGNES CONVENTIONNELS

Les signes conventionnels suivants sont employés uniformément dans les publications du Bureau fédéral de la statistique:

.. nombres indisponibles.

... n'ayant pas lieu de figurer.

— néant ou zéro.

-- nombres infimes.

P nombres provisoires.

r nombres rectifiés.

x confidentiel en vertu des dispositions de la Loi sur la statistique relatives au secret.

Nota: Les termes expéditions, expéditions nettes, utilisés dans cette publication, se rapportent aux expéditions des producteurs.

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TABLE 1. Pig Iron Capacity, January 1, 1971

TABEAU 1. Capacité de fonte en gueuses, 1^{er} janvier 1971

	In blast or in use — En activité		Banked, blown out or idle — Vide, hors feu ou chômant	
	Furnaces — Fours	Annual capacity — Capacité annuelle	Furnaces — Fours	Annual capacity — Capacité annuelle
	No. — nomb.	net tons — tonnes nettes	No. — nomb.	net tons — tonnes nettes
Blast furnaces — Hauts fourneaux	15	10,625,000	1	150,000
Electric furnaces — Fours électriques	11	710,000	—	—
Total	26	11,335,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

TABEAU 2. Charges des hauts fourneaux de fer(1)

	January — 1971 — Janvier	Year to date — Total cumulatif
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Crude iron ore — Minerai de fer brut</u>		
From Canadian mines — Des mines canadiennes	10,418	
From foreign mines — Des mines étrangères	22,729	
Pyrite cinder — Cendre de pyrite	(2)	
<u>Iron ore (sintered, pelletized, etc.) — Minerai de fer sinter, bouletté, etc.)</u>		
From Canadian mines — Des mines canadiennes	762,816	Cumulative figures will appear here in subsequent issues — Les chiffres cumulatifs paraîtront ici dans les numéros ultérieurs
From foreign mines — Des mines étrangères	111,017	
From own processing — De propre traitement	105,992	
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.)	16,972	
Scrap iron and steel — Ferraille de fer et d'acier	11,712	
Limestone — Pierre calcaire	37,134	
Dolomite — Dolomie	34,605	
Coke	357,266	

(1) Does not include charges into furnaces used in the smelting of titanium ores. — Ne comprend pas les charges des fours utilisées pour l'affinage des minerais de titane.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.). — Inclus avec les scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

TABEAU 3. Production et expéditions de fonte en gueuses et de ferro-alliages

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>January — Janvier</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	713,795	5,195	621,688	4,460
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	71,545 ^F	16,317 ^F	75,874	26,886
Malleable — Malléable	2,975 ^F	11,900 ^F	(3)	(3)
Pig iron — Total — Fonte en gueuses	788,315	33,412 ^F	697,562	31,346
Ferro-alloys — Ferro-alliages	15,124	12,359	16,025	16,428
Stocks of pig iron on hand at end of month — Stocks de fonte en gueuses à la fin du mois	268,588		285,003	
<u>Year to date — Total cumulatif</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	Cumulative figures will appear here in subsequent issues — Les chiffres cumulatifs paraîtront ici dans les numéros ultérieurs			
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)				
Malleable — Malléable				
Pig iron — Total — Fonte en gueuses				
Ferro-alloys — Ferro-alliages				

- (1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine.
(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores. — Inclus les produits
ferreux obtenus lors de l'affinage des minerais de titane.
(3) Included with "Foundry". — Inclus avec "La fonderie".

TABLE 4. Steel Furnace Capacity, January 1, 1971

TABEAU 4. Capacité des fours d'acier, 1^{er} janvier 1971

	Annual capacity — Capacité annuelle
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres
<u>Ingots — Lingots</u>	
Basic open hearth — Four à sole, marche basique	6,970,000
Electric — Four électrique	2,294,450
Basic oxygen furnace — Four à oxygène, marche basique	4,400,000
Ingots — Total — Lingots	13,664,450
Steel castings — Moulages d'acier	418,925
Ingots and castings — Total — Lingots et moulages	14,083,375

TABLE 5. Pig Iron and Scrap Charged to Steel Furnaces

TABEAU 5. Charges de fonte en gueuses et de ferraille dans les fours d'acier

	January - Janvier		Year to date - Total cumulatif	
	1970	1971	1970	1971
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
Pig iron - Fonte en gueuses	694,320	626,047	Cumulative figures will appear here in subsequent issues - Les chiffres cumulatifs paraîtront ici dans les numéros ultérieurs	
Scrap - Ferraille:				
Own make - De propre fabrication	291,856	313,525		
Purchased - Achetée	204,496	211,745		
Pig iron and scrap - Total - Fonte en gueuses et ferraille	1,190,672	1,151,317		

TABLE 6. Production and Shipments of Steel Ingots and Castings

TABEAU 6. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made (1) - Tonnes fabriquées (1)	Tonnage shipped - Tonnes expédiées	Tonnage made (1) - Tonnes fabriquées (1)	Tonnage shipped - Tonnes expédiées
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
January - Janvier				
Steel ingots (both carbon and alloy, and including continuous cast steel) - Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)				
Basic open hearth - Four à sole, marche basique	904,708	13,360	858,293	13,413
Electric - Four électrique	138,121	23,389	135,413	20,983
Basic oxygen furnace - Four à oxygène, marche basique ...	(2)	(2)	(2)	(2)
Steel ingots - Total - Lingots d'acier	1,042,829	36,749	993,706	34,396
Continuous cast steel included in above - Moulages d'acier de coulée continue déclarés ci-dessus	122,378	x	116,013	x
Alloy steel ingots included in above - Lingots d'acier allié déclarés ci-dessus	83,917	x	80,844	x
Steel castings (both carbon and alloy) - Moulages d'acier (acier au carbone et acier allié)				
Basic open hearth - Four à sole, marche basique	(3)	-	(3)	-
Electric - Four électrique	14,136	14,321	17,499	15,267
Basic oxygen furnace - Four à oxygène, marche basique ...	-	-	-	-
Steel castings - Total - Moulages d'acier	14,136	14,321	17,499	15,267
Alloy steel castings included in above - Moulages d'acier allié déclarés ci-dessus				
High alloy, except manganese, and abrasion resistant - Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	608	349	688	460
Manganese and abrasive resistant - Acier au manganèse et alliage résistant à l'abrasion	1,970	2,032	3,261	3,159
All other alloys - Tous autres alliages	800	905	826	895
Alloy castings - Total - Moulages d'acier allié	3,378	3,286	4,775	4,514

(1) Includes amounts for sale and for own use. - Inclus les quantités fabriquées pour vente et pour usage à l'usine. (2) Included with "Basic open hearth". - Inclus avec les moulages de "Four à sole, marche basique". (3) Included with "Electric". - Inclus avec "Four électrique".

TABLE 6A. Production and Shipments of Steel Ingots and Castings
TABLEAU 6A. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>Year to date — Total cumulatif</u>				
Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)				
Basic open hearth — Four à sole, marche basique				
Electric — Four électrique				
Basic oxygen furnace — Four à oxygène, marche basique				
Steel ingots — Total — Lingots d'acier				
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus				
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus				
Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)				
Basic open hearth — Four à sole, marche basique				
Electric — Four électrique				
Basic oxygen furnace — Four à oxygène, marche basique				
Steel castings — Total — Moulages d'acier				
Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus				
High alloy, except manganese and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistants à l'abrasion				
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion				
All other alloys — Tous autres alliages				
Alloy castings — Total — Moulages d'acier allié				

Cumulative figures will appear here in subsequent issues
—
Les chiffres cumulatifs paraîtront ici dans les numéros ultérieurs

See footnote(s) at end of Table 6. — Voir renvoi(s) à la fin du Tableau 6.

TABLE 7. Disposition of Shipments(1) of Steel Castings
TABLEAU 7. Écoulement des expéditions(1) de moulages d'acier

	January — 1971 — Janvier		Year to date	
	Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
Wholesalers and warehouses — Commerce de gros et entrepôts	—	—		
Export — Exportation	1,169	141		
Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	423	—		
Agricultural(2) — Agriculture(2)	76	23		
Construction(3)	44	291		
Machinery and tools — Machines et outils	1,786	683		
Natural resources and extractive industries(4) — Industries des ressources naturelles et de l'extraction(4)	1,056	1,444		
Railway operating — Matériel ferroviaire fixe	3,764	528		
Railroad cars and locomotives — Matériel roulant de chemin de fer	1,933	1,085		
Shipbuilding — Construction de navires	28	6		
Miscellaneous(5) — Divers(5)	474	313		
Total	10,753	4,514		

Cumulative figures will appear here in subsequent issues
—
Les chiffres cumulatifs paraîtront ici dans les numéros ultérieurs

(1) (a) Compiled by principal consuming industries according to the Steel Distribution Index revised January 1964. — Compilé par les principales industries de consommation, d'après le Steel Distribution Index révisé en janvier 1964. (b) Includes producers' own-make castings allocated to appropriate consuming industry. — Inclus les moulages d'acier de propre fabrication des fabricants affectés à l'industrie de consommation appropriée. (2) Including implement and equipment manufacturers. — Y compris les fabricants d'instruments et de matériel agricoles. (3) Including public works, public utilities and structural steel fabricators. — Y compris les travaux publics, les services d'utilité publique et les fabricants d'acier de charpente. (4) Including mining, lumbering, quarrying, oil and gas, including refineries, etc. — Y compris l'industrie minière, l'exploitation du bois-d'oeuvre, les carrières, le pétrole et le gaz, et les raffineries, etc. (5) Including grinding balls and railway car wheels. — Y compris les broyeurs à boulets et les roues des voitures et wagons de chemin de fer.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

TABLEAU 8. Production mensuelle de fonte en gueuses, de ferro-alliages et de lingots et moulages d'acier

	Pig iron — Fonte en gueuses	Ferro- alloys — Ferro- alliages	Steel — Acier		
			Ingots — Lingots	Castings — Moulages	Total steel — Acier
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>1970</u>					
January — Janvier	788,315	15,124	1,042,829	14,136	1,056,965
February — Février	721,075	15,534	973,253	14,973	988,226
March — Mars	815,211	19,017	1,078,812	15,718	1,094,530
April — Avril	783,074	16,645	1,037,231	16,911	1,054,142
May — Mai	794,136	15,627	1,063,555	16,511	1,080,066
June — Juin	756,542	19,689	1,017,287	17,091	1,034,378
July — Juillet	770,733	17,840	986,555	11,216	997,771
August — Août	738,009	15,788	969,174	14,709	983,883
September — Septembre	703,728	19,827	956,946	17,328	974,274
October — Octobre	741,942	17,850	1,039,287	17,479	1,056,766
November — Novembre	728,891	18,122	1,006,724	17,952	1,024,676
December — Décembre	744,299	18,493	982,759	17,696	1,000,455
Total	9,085,955	209,556	12,154,412	191,720	12,346,132
<u>1971</u>					
January — Janvier	697,562	16,025	993,706	17,499	1,011,205
February — Février					
March — Mars					
April — Avril					
May — Mai					
June — Juin					
July — Juillet					
August — Août					
September — Septembre					
October — Octobre					
November — Novembre					
December — Décembre					
Total					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

TABEAU 9. Production et expéditions de tuyaux, tubes et raccords en acier

	1970		1971	
	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>January — Janvier</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	25,706	22,298	18,506	17,878
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	31,714	32,367	26,287	18,177
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	24,143	21,421	19,724	19,260
Total	81,563	76,086	64,517	55,315
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	69	99	109	152
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	594	682	606	686
Total	663	781	715	838
<u>Year to date — Total cumulatif</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)				
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)				
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole				
Total				
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout				
Nipples — Graisseurs				
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides				
Total				

(1) Included with "Other". — Inclus avec "Autres".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products
 TABLEAU 10. Production et écoulement des expéditions de produits de lingots et laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
<u>January — 1971 — Janvier</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	53,529	3,366	46,766	32,804	13,962
For forging and piercing — Pour forgeage et perforation	25,152	—	18,323	...	18,323
Rails	24,189	—	24,454	...	24,454
Wire rods — Fils machine	50,834	—	51,478	285	51,193
Structural shapes — Profilés de charpente:					
Heavy — Lourds	48,386	—	47,473	...	47,473
Bar-sized shapes — De la grosseur d'une barre	13,384	—	10,722	...	10,722
Concrete reinforcing bars — Barres d'armature ou ronds à béton	46,139	—	51,317	...	51,317
Other hot rolled bars — Autres barres laminées à chaud:					
Plats — Plates	12,548	—	11,295	...	...
Other — Autres	34,807	—	35,172	1,589	44,878
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	506	—	470	...	470
Tie plates — Selles d'appui	6,077	—	6,077	...	6,077
Track spikes — Crampons de traverses de chemin de fer	1,046	—	1,061	...	1,061
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	70,695	—	71,952	581	71,371
Hot rolled sheets — Tôles laminées à chaud	103,535	—	99,922	3,914	96,008
Hot rolled strip — Feuillard laminé à chaud	31,728	—	23,835	113	23,722
Hot rolled products — Total — Produits laminés à chaud	522,555	3,366	500,317	39,286	461,031
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	5,156	—	5,386	...	5,386
Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	135,581	—	132,560	2,215	130,345
Galvanized sheets — Tôles galvanisées	50,985	—	47,157	151	47,006
Cold rolled and coated — Total — Laminés à froid et revêtus	191,722	—	185,103	2,366	182,737
Carbon steel — Total — Acier au carbone	714,277	3,366	685,420	41,652	643,768
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	6,622	—	7,490	...	7,490
Alloy plates — Plaques d'alliage	11,721	—	11,676	...	11,676
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	17,518	—	14,993	6	14,987
Cold finished bars — Barres étirées à froid	390	—	393	...	393
Wire rods — Fils machine	1,093	—	1,093	...	1,093
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autres laminés à froid	6,789	—	9,153	...	9,153
Alloy steel — Total — Acier allié	44,133	—	44,798	6	44,792

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

TABEAU 11. Écoulement des expéditions nettes(1) de produits de laminages d'acier

SDI No. — N ^o du SDI		January — 1971 — Janvier		Year to date — Total cumulatif	
		Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
		net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
4a	Wholesalers and warehouses — Steel service centres — Commerce de gros et entrepôts — Centres de service de l'acier	77,833	1,992		
b	Other warehouses — Autres entrepôts	7,648	—		
6	Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	55,827	10,755		
7	Agricultural — Agriculture	13,565	443		
8a	Contractors — Building — Entrepreneurs — Construction	30,243	—		
b	Construction — Public and utility — Travaux publics et service d'utilité publique	2,794	—		
c	Structural steel fabricators — Fabricants d'acier de charpente	65,987	2,243		
9	Containers — Conténants	47,548	5		
10	Machinery and tools — Machines et outils	19,808	3,716		
11	Wire, wire products and fasteners — Fil métallique, produits en fil métallique et attaches	44,560	1,003		
12	Natural resources and extractive industries — Ressources naturelles et industries de l'extraction	14,010	1,445		
13	Appliances and utensils — Appareils et ustensiles	16,692	125	Cumulative figures will appear here in subsequent issues — Les chiffres cumulatifs paraîtront ici dans les numéros ultérieurs	
14	Other metal stamping and pressing — Autres articles estampés et matricés	36,962	3,295		
16	Railway operating — Matériel ferroviaire fixe	30,966	508		
17	Railroad cars and locomotives — Matériel roulant de chemin de fer	9,315	516		
18	Shipbuilding — Construction de navires	2,415	2,062		
19	Pipes and tubes — Tuyaux et tubes	71,008	4,612		
20	Miscellaneous — Divers	4,877	90		
	Domestic shipments — Total — Expéditions au pays	552,058	32,810		
5a	Export — For conversion and return — Exportation — Pour transformation et retour	—	951		
b	Other export (for final sale) — Autres exportations (vente)				
i	USA — É.-U.	64,190	9,319		
ii	Other countries — Autres pays	27,520	1,712		
	Domestic and export shipments — Total — Expéditions et exportation au pays	643,768	44,792		
	Production (for sale only) — Production (pour la vente seulement)	714,277	44,133		
	Imports by producers (including conversion) — Importation par les fabricants (y compris la transformation)	3,366	—		

(1) Compiled by principal consuming industries according to the "Steel Distribution Index", revised January 1964. — Compilé par les principales industries de consommation d'après le Steel Distribution Index révisé en janvier 1964.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

January 1971

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machine	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	31	89	—	10,458	3,569	13,095	8,579	110
b	Other warehouses	—	51	—	1,875	454	94	578	—
6	Automotive and aircraft industries	2,098	—	104	48	7	—	11,944	—
7	Agricultural	17	—	—	302	453	—	4,468	—
8a	Contractors — Building	—	—	—	1,216	72	6,467	390	3
b	Construction — Public and utility	—	166	—	60	154	1,098	39	—
c	Structural steel fabricators	76	102	951	24,008	4,394	15,487	5,814	1
9	Containers	—	—	—	—	—	—	—	—
10	Machinery and tools	—	43	1,229	1,289	129	—	2,195	—
11	Wire, wire products and fasteners	276	—	36,977	—	277	7	5,251	642
12	Natural resources and extractive industries.	416	373	—	1,218	49	1,531	8,470	48
13	Appliances and utensils	—	—	—	53	—	—	72	—
14	Other metal stamping and pressing	414	121	202	178	222	12,464	3,611	—
16	Railway operating	—	22,356	—	821	20	—	484	6,761
17	Railroad cars and locomotives	1,682	—	—	1,376	104	—	838	—
18	Shipbuilding	—	—	—	305	—	—	14	—
19	Pipes and tubes	15,474	—	—	—	—	—	—	—
20	Miscellaneous	3,246	—	481	—	62	204	139	—
	Total domestic shipments	23,730	23,301	39,944	43,207	9,966	50,447	52,886	7,565
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	3,987	1,153	7,277	4,266	756	339	6,419	—
ii	Other countries	12,058	—	5,065	—	—	531	560	43
	Total domestic and export shipments.	39,775	24,454	52,286	47,473	10,722	51,317	59,865	7,608
	Production (for sale only)	85,303	24,189	51,927	48,386	13,384	46,139	64,873	7,629
	Imports by producers (including conversion).	3,366	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Janvier 1971

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Toles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres stirées à froid	Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Toles et feuillard, laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	Galvanized sheets — Toles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
10,556	11,834	122	1,608	11,901	7,873	79,825	Commerce de gros et entrepôts - Centres de service de l'acier.	4a
1,433	2,177	18	—	912	56	7,648	Autres entrepôts	b
1,152	30,696	2,522	1,445	14,349	2,217	66,582	Industries de l'automobile et de l'aéronautique.	6
1,386	4,462	275	961	1,450	234	14,008	Agriculture	7
680	2,599	455	15	2,613	15,733	30,243	Entrepreneurs - Construction	8a
151	958	—	—	168	—	2,794	Construction - Travaux publics et service d'utilité publique.	b
12,933	2,033	674	112	484	1,161	68,230	Fabricants d'acier de charpente	c
82	475	64	—	46,826	106	47,553	Contenants	9
4,981	3,262	629	777	7,594	1,396	23,524	Machines et outils	10
250	705	104	144	814	116	45,563	Fil métallique, produits en fil métallique et attaches.	11
1,919	563	—	9	741	118	15,455	Industries des ressources naturelles et de l'extraction.	12
611	2,724	133	127	10,978	2,119	16,817	Appareils et ustensiles	13
2,949	3,621	280	184	11,128	4,883	40,257	Autres articles estampés et matricés ...	14
997	4	—	—	4	27	31,474	Matériel ferroviaire fixe	16
4,797	817	—	5	—	212	9,831	Matériel roulant de chemin de fer	17
4,055	99	—	4	—	—	4,477	Construction de navires	18
23,658	12,482	17,968	2	5,785	251	75,620	Tuyaux et tubes	19
101	—	—	61	613	60	4,967	Divers	20
72,691	79,511	23,244	5,454	116,360	36,562	584,868	Total, expéditions au pays	
—	—	—	—	951	—	951	Exportation - Pour transformation et retour.	5a
10,356	17,165	478	189	13,356	7,768	73,509	Autres exportation (vente)	b
—	57	—	136	8,106	2,676	29,232	É.-U.	i
							Autres pays	ii
83,047	96,733	23,722	5,779	138,773	47,006	688,560	Total, expéditions et exportation au pays.	
82,416	104,260	31,728	5,546	141,645	50,985	758,410	Production (pour la vente seulement)	
—	—	—	—	—	—	3,366	Importation par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

TABLE 13. Steel Capacity as of January 1, 1971

TABEAU 13. Capacité d'acier, 1^{er} janvier 1971

Firm and province — Firme et province	Ingots — Lingots			Castings — Moulages	Capacity
	Basic oxygen — Basique oxygène	Open hearth — Four à sole	Electric — Électrique	Electric — Électrique	Total Capacité
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
<u>Newfoundland — Terre-Neuve</u>					
Newfoundland Steel Co. Ltd.	—	—	60,000	—	60,000
Newfoundland — Total — Terre-Neuve	—	—	60,000	—	60,000
<u>Nova Scotia — Nouvelle-Écosse</u>					
Enamel and Heating Products Ltd.	—	—	20,000	—	20,000
Maritime Steel Foundries Ltd.	—	—	—	3,000	3,000
Sydney Steel Corporation	—	1,070,000	30,000	—	1,100,000
Nova Scotia — Total — Nouvelle-Écosse	—	1,070,000	50,000	3,000	1,123,000
<u>Québec</u>					
Abex Industries of Canada Ltd. (Amsco Joliette Division)	—	—	—	32,700	32,700
Atlas Steels Co., Division of Rio Algom Mines Limited	—	—	70,000	—	70,000
Canadian Steel Foundries Division of Hawker Siddeley Canada Ltd.	—	—	—	102,000	102,000
Canadian Steel Wheel Ltd.	—	—	145,800	—	145,800
Canadian Unitcast-Steel Limited	—	—	—	3,600	3,600
Colt Industries (Canada) Ltd.	—	—	42,000	—	42,000
Dominion Engineering Works Limited	—	—	—	15,000	15,000
Dominion Steel & Coal Corp'n. Ltd.	—	—	380,000	—	380,000
Griffin Steel Foundries Ltd.	—	—	—	52,500	52,500
Lynn MacLeod Metallurgy Ltd.	—	—	—	4,500	4,500
Manganese Steel Castings Ltd.	—	—	—	1,800	1,800
Sorel Steel Foundries Limited	—	—	—	24,000	24,000
Québec, total	—	—	637,800	236,100	873,900
<u>Ontario</u>					
Algoma Steel Corp'n. Ltd., The	1,450,000	1,150,000	—	—	2,600,000
Atlas Steels Co., Division of Rio Algom Mines Limited	—	—	200,000	—	200,000
Black-Clawson-Kennedy Ltd.	—	—	—	5,600	5,600
Burlington Steel Co. Division of Slater Steel Industries Ltd.	—	—	253,800	—	253,800
Canada Electric Castings Co. Ltd.	—	—	—	5,000	5,000
Dominion Foundries & Steel Ltd.	2,870,000	—	50,850	—	2,920,850
Fahrallloy Canada Ltd.	—	—	—	16,500	16,500
Fahrallloy-Wisconsin Ltd.	—	—	—	5,700	5,700
Indiana Steel Products Co. of Canada Ltd., The	—	—	—	8,500	8,500
Lake Ontario Steel Co. Ltd.	—	—	300,000	—	300,000
Neelon Steel Ltd.	—	—	—	10,000	10,000
Steel Co. of Canada Ltd., The	—	4,750,000	—	—	4,750,000
Welmet Industries Limited	—	—	—	10,500	10,500
Ontario, total	4,320,000	5,900,000	804,650	61,800	11,086,450

TABLE 13. Steel Capacity as of January 1, 1971 - Concluded

TABLEAU 13. Capacité d'acier, 1^{er} janvier 1971 - fin

Firm and province — Firme et province	Ingots — Lingots			Castings — Moulages	Capacity
	Basic oxygen — Oxygene basique	Open hearth — Four à Sole	Electric — Électrique	Electric — Électrique	Total Capacité
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
<u>Manitoba</u>					
Abex Industries of Canada Ltd.	—	—	—	7,000	7,000
Griffin Steel Foundries Ltd.	—	—	—	70,000	70,000
Hudson Bay Mining and Smelting Co. Ltd.	—	—	—	2,225	2,225
Manitoba Rolling Mill Co., Ltd.	—	—	160,000	—	160,000
Manitoba, total	—	—	160,000	79,225	239,225
<u>Saskatchewan</u>					
Interprovincial Steel and Pipe Corporation Limited ..	—	—	280,000	—	280,000
Saskatchewan, total	—	—	280,000	—	280,000
<u>Alberta</u>					
Irving Industries (Foothills Steel Foundry Division) Ltd.	—	—	—	4,000	4,000
Quality Steel Foundries Ltd.	—	—	—	1,000	1,000
Steel Co. of Canada Ltd., The	—	—	132,000	—	132,000
Western Rolling Mills Ltd.	—	—	50,000	—	50,000
Alberta, total	—	—	182,000	5,000	187,000
<u>British Columbia — Colombie-Britannique</u>					
A-1 Steel and Iron Foundry Ltd.	—	—	—	7,800	7,800
C.A.E. Sumner Limited	—	—	—	5,400	5,400
Cominco Ltd. (Kimberley)	80,000	—	—	—	80,000
Cominco Ltd. (Tadanac)	—	—	—	3,600	3,600
Esco Limited	—	—	—	7,400	7,400
Horton Steel	—	—	—	2,200	2,200
Reliance Foundry Co. Ltd.	—	—	—	4,400	4,400
Western Canada Steel Ltd., Vancouver Steel Division	—	—	120,000	—	120,000
Victoria Machinery Depot Co. Ltd.	—	—	—	3,000	3,000
British Columbia — Total — Colombie-Britannique ...	80,000	—	120,000	33,800	233,800
Canada, Total	4,400,000	6,970,000	2,294,450	418,925	14,083,375

TABLE 14. Pig Iron Capacity, January 1, 1971

TABEAU 14. Capacité de fonte en gueuses, 1^{er} janvier 1971

Firm — Firme	In blast or in use — En activité		Annual capacity — Capacité annuelle	Banked, blown out or idle — Vide, hors feu ou chômant		
	Furnaces — Fours			Furnaces — Fours		Annual capacity — Capacité annuelle
	Blast — Hauts fours	Electric — Électrique		Blast — Hauts fours	Electric — Électrique	
	number — nombre		net tons — tonnes nettes	number — nombre		net tons — tonnes nettes
Algoma Steel Corp'n. Ltd., The	4	—	2,335,000	—	—	—
Canadian Furnace Division of The Algoma Steel Corp'n. Ltd.	1	—	240,000	—	—	—
Cominco Ltd.	—	2	110,000	—	—	—
Dominion Foundries and Steel Ltd.	4	—	3,150,000	—	—	—
Quebec Iron and Titanium Corporation	—	9	600,000	—	—	—
Steel Company of Canada Ltd., The	4	—	4,000,000	1	—	150,000
Sydney Steel Corporation	2	—	900,000	—	—	—
Total	15	11	11,335,000	1	—	150,000

TABLE 15. Coke Oven Capacity, January 1, 1971

TABEAU 15. Capacité de fourneaux de coke, 1^{er} janvier 1971

Firm — Firme	In use — En activité	
	Ovens — Fourneaux	Annual capacity(1) — Capacité(1) annuelle
	number — nombre	net tons (of coke) — tonnes nettes (de coke)
Algoma Steel Corp'n. Ltd., The	260	1,670,000
Dominion Foundries and Steel Limited	211	1,200,000
Kaiser Coal Ltd.	52	170,000
Quebec Natural Gas Corp'n.	74	384,000
Steel Company of Canada Ltd., The	264	1,890,000
Sydney Steel Corporation	114	612,000
Total	975	5,926,000

TABLE 16. Sinter Plant Capacity(1), January 1, 1971

TABEAU 16. Capacité(1) de l'usine de sinter, 1^{er} janvier 1971

Firm — Firme	Units or strands Sintering — Unités ou torons	Annual capacity — Capacité annuelle
	number — nombre	net tons — tonnes nettes
Algoma Steel Corporation Ltd., The	1	725,000
Cominco Ltd.	1	300,000
Steel Co. of Canada Ltd., The	1	900,000
Sydney Steel Corporation	1	273,000
Total	4	2,198,000

(1) At manufacturing plant only. — Au plant de l'usine seulement.

Note: Annual capacity is the production which the given piece of equipment will turn out in a year, working at normal efficiency, 24 hours a day, and irrespective altogether of materials and labour supplies or the markets, although allowing for shut-downs as may be necessary for repairs and overhauling or rebuilding.

Nota: La capacité annuelle est la production du nombre de pièces d'équipement fabriquées dans une année, travaillant avec un rendement normal de 24 heures par jour, sans de soucier de matériaux des travailleurs ou des marchés, mais allouant du temps nécessaire pour les réparations, les examens minitieux et la construction.



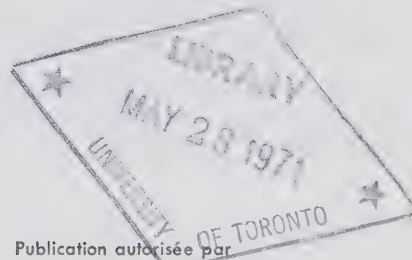
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- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- P preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

Note: The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

SIGNES CONVENTIONNELS

Les signes conventionnels suivants sont employés uniformément dans les publications du Bureau fédéral de la statistique:

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- néant ou zéro.
- nombres infimes.
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- r nombres rectifiés.
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Nota: Les termes expéditions, expéditions nettes, utilisés dans cette publication, se rapportent aux expéditions des producteurs.

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TABLE 1. Pig Iron Capacity, January 1, 1971

TABLEAU 1. Capacité de fonte en gueuses, 1^{er} janvier 1971

	In blast or in use — En activité		Banked, blown out or idle — Vide, hors feu ou chômant	
	Furnaces — Fours	Annual capacity — Capacité annuelle	Furnaces — Fours	Annual capacity — Capacité annuelle
	No. — nomb.	net tons — tonnes nettes	No. — nomb.	net tons — tonnes nettes
Blast furnaces — Hauts fourneaux	15	10,625,000	1	150,000
Electric furnaces — Fours électriques	11	710,000	—	—
Total	26	11,335,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

TABLEAU 2. Charges des hauts fourneaux de fer(1)

	February — 1971 — Février	Year to date — Total cumulatif
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Crude iron ore — Minerai de fer brut</u>		
From Canadian mines — Des mines canadiennes	12,027	22,445
From foreign mines — Des mines étrangères	37,452	60,181
Pyrite cinder — Cendre de pyrite	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.) — Minerai de fer sinter, bouletté, etc.)</u>		
From Canadian mines — Des mines canadiennes	561,604	1,324,420
From foreign mines — Des mines étrangères	115,224	226,241
From own processing — De propre traitement	92,701	198,693
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.)	14,614	31,586
Scrap iron and steel — Ferraille de fer et d'acier	13,157	24,869
Limestone — Pierre calcaire	28,986	66,120
Dolomite — Dolomie	29,065	63,670
Coke	290,997	648,263

(1) Does not include charges into furnaces used in the smelting of titanium ores. — Ne comprend pas les charges des fours utilisées pour l'affinage des minerais de titane.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.). — Inclus avec les scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

TABEAU 3. Production et expéditions de fonte en gueuses et de ferro-alliages

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>February — Février</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	657,074	5,160	503,535	2,882
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	53,391	10,692 ^r	63,018	32,237
Malleable — Malléable	10,610 ^r	9,143 ^r	(3)	(3)
Pig iron — Total — Fonte en gueuses	721,075 ^r	24,995 ^r	566,553	35,119
Ferro-alloys — Ferro-alliages	15,534	17,898	15,884	14,237
Stocks of pig iron on hand at end of month — Stocks de fonte en gueuses à la fin du mois	317,848		276,709	
<u>Year to date — Total cumulatif</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	1,370,869	10,355	1,125,223	7,342
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	124,936 ^r	27,009 ^r	138,892	59,123
Malleable — Malléable	13,585 ^r	21,043 ^r	(3)	(3)
Pig iron — Total — Fonte en gueuses	1,509,390 ^r	58,407 ^r	1,264,115	66,465
Ferro-alloys — Ferro-alliages	30,658	30,257	31,909	30,665

(1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores. — Inclus les produits ferreux obtenus lors de l'affinage des minerais de titane.

(3) Included with "Foundry." — Inclus avec "La Fonderie."

TABLE 4. Steel Furnace Capacity, January 1, 1971

TABEAU 4. Capacité des fours d'acier, 1^{er} janvier 1971

	Annual capacity — Capacité annuelle
net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Ingots — Lingots</u>	
Basic open hearth — Four à sole, marche basique	6,970,000
Electric — Four électrique	2,294,450
Basic oxygen furnace — Four à oxygène, marche basique	4,400,000
Ingots — Total — Lingots	13,664,450
Steel castings — Moulages d'acier	418,925
Ingots and castings — Total — Lingots et moulages	14,083,375

TABLE 5. Pig Iron and Scrap Charged to Steel Furnaces

TABLEAU 5. Charges de fonte en gueuses et de ferraille dans les fours d'acier

	February - Février		Year to date - Total cumulatif	
	1970	1971	1970	1971
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
Pig iron - Fonte en gueuses	635,919	540,831	1,330,239	1,166,878
Scrap - Ferraille:				
Own make - De propre fabrication	269,424	291,281	561,280	604,806
Purchased - Achetée	197,219	181,992	401,715	393,737
Pig iron and scrap - Total - Fonte en gueuses et ferraille	1,102,562	1,014,104	2,293,234	2,165,421

TABLE 6. Production and Shipments of Steel Ingots and Castings

TABLEAU 6. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
<u>February - Février</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) - Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth - Four à sole, marche basique	834,016	14,693	740,723	31,682
Electric - Four électrique	139,237	28,407	124,408	19,693
Basic oxygen furnace - Four à oxygène, marche basique ...	(2)	(2)	(2)	(2)
Steel ingots - Total - Lingots d'acier	973,253	43,100	865,131	51,375
Continuous cast steel included in above - Moulages d'acier de coulée continue déclarés ci-dessus	108,157	x	108,192	x
Alloy steel ingots included in above - Lingots d'acier allié déclarés ci-dessus	77,012	x	70,696	x
<u>Steel castings (both carbon and alloy) - Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth - Four à sole, marche basique	-	-	(3)	-
Electric - Four électrique	14,973	13,918	17,554	17,114
Basic oxygen furnace - Four à oxygène, marche basique ...	-	-	-	-
Steel castings - Total - Moulages d'acier	14,973	13,918	17,554	17,114
<u>Alloy steel castings included in above - Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese, and abrasion resistant - Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	662	379	685	404
Manganese and abrasive resistant - Acier au manganèse et alliage résistant à l'abrasion	2,452	2,516	3,122	3,306
All other alloys - Tous autres alliages	705	842	910	1,059
Alloy castings - Total - Moulages d'acier allié	3,819	3,737	4,717	4,769

(1) Includes amounts for sale and for own use. - Inclus les quantités fabriquées pour vente et pour usage à l'usine. (2) Included with "Basic open hearth". - Inclus avec les moulages de "Four à sole, marche basique". (3) Included with "Electric". - Inclus avec "Four électrique".

TABLE 6A. Production and Shipments of Steel Ingots and Castings
TABLEAU 6A. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
<u>Year to date — Total cumulatif</u>	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth — Four à sole, marche basique	1,738,724	28,053	1,599,016	45,095
Electric — Four électrique	277,358	51,796	259,821	40,676
Basic oxygen furnace — Four à oxygène, marche basique	(2)	(2)	(2)	(2)
Steel ingots — Total — Lingots d'acier	2,016,082	79,849	1,858,837	85,771
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus	230,535	x	224,205	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	160,929	x	151,540	x
<u>Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth — Four à sole, marche basique	(3)	—	(3)	—
Electric — Four électrique	29,109	28,239	35,053	32,381
Basic oxygen furnace — Four à oxygène, marche basique	—	—	—	—
Steel castings — Total — Moulages d'acier	29,109	28,239	35,053	32,381
<u>Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistants à l'abrasion	1,270	728	1,373	864
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion	4,422	4,548	6,383	6,465
All other alloys — Tous autres alliages	1,505	1,747	1,736	1,954
Alloy castings — Total — Moulages d'acier allié	7,197	7,023	9,492	9,283

See footnote(s) at end of Table 6. — Voir renvoi(s) à la fin du Tableau 6.

TABLE 7. Disposition of Shipments(1) of Steel Castings
TABLEAU 7. Écoulement des expéditions(1) de moulages d'acier

	February — 1971 — Février		Year to date — Total cumulatif	
	Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
<u>net tons of 2,000 pounds — tonnes nettes de 2,000 livres</u>				
Wholesalers and warehouses — Commerce de gros et entrepôts	—	—	—	—
Export — Exportation	1,772	318	2,941	459
Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	378	—	801	—
Agricultural(2) — Agriculture(2)	75	7	151	30
Construction(3)	35	333	79	624
Machinery and tools — Machines et outils	1,612	789	3,398	1,472
Natural resources and extractive industries(4) — Industries des ressources naturelles et de l'extraction(4)	1,431	1,919	2,487	3,363
Railway operating — Matériel ferroviaire fixe	4,469	272	8,233	800
Railroad cars and locomotives — Matériel roulant de chemin de fer	2,156	735	4,089	1,820
Shipbuilding — Construction de navires	30	8	58	14
Miscellaneous(5) — Divers(5)	387	388	861	701
Total	12,345	4,769	23,098	9,283

(1) (a) Compiled by principal consuming industries according to the Steel Distribution Index revised January 1964. — Compilé par les principales industries de consommation, d'après le Steel Distribution Index révisé en janvier 1964. (b) Includes producers' own-make castings allocated to appropriate consuming industry. — Inclus les moulages d'acier de propre fabrication des fabricants affectés à l'industrie de consommation appropriée. (2) Including implement and equipment manufacturers. — Y compris les fabricants d'instruments et de matériel agricoles. (3) Including public works, public utilities and structural steel fabricators. — Y compris les travaux publics, les services d'utilité publique et les fabricants d'acier de charpente. (4) Including mining, lumbering, quarrying, oil and gas, including refineries, etc. — Y compris l'industrie minière, l'exploitation du bois-d'oeuvre, les carrières, le pétrole et le gaz, et les raffineries, etc. (5) Including grinding balls and railway car wheels. — Y compris les broyeurs à boulets et les roues des voitures et wagons de chemin de fer.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings
TABLEAU 8. Production mensuelle de fonte en gueuses, de ferro-alliages et de lingots et moulages d'acier

	Pig iron — Fonte en gueuses	Ferro- alloys — Ferro- alliages	Steel — Acier		
			Ingots — Lingots	Castings — Moulages	Total steel — Acier
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>1970</u>					
January — Janvier	788,315	15,124	1,042,829	14,136	1,056,965
February — Février	721,075	15,534	973,253	14,973	988,226
March — Mars	815,211	19,017	1,078,812	15,718	1,094,530
April — Avril	783,074	16,645	1,037,231	16,911	1,054,142
May — Mai	794,136	15,627	1,063,555	16,511	1,080,066
June — Juin	756,542	19,689	1,017,287	17,091	1,034,378
July — Juillet	770,733	17,840	986,555	11,216	997,771
August — Août	738,009	15,788	969,174	14,709	983,883
September — Septembre	703,728	19,827	956,946	17,328	974,274
October — Octobre	741,942	17,850	1,039,287	17,479	1,056,766
November — Novembre	728,891	18,122	1,006,724	17,952	1,024,676
December — Décembre	744,299	18,493	982,759	17,696	1,000,455
Total	9,085,955	209,556	12,154,412	191,720	12,346,132
<u>1971</u>					
January — Janvier	697,562	16,025	993,706	17,499	1,011,205
February — Février	566,553	15,884	865,131	17,554	882,685
March — Mars					
April — Avril					
May — Mai					
June — Juin					
July — Juillet					
August — Août					
September — Septembre					
October — Octobre					
November — Novembre					
December — Décembre					
Total					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

TABEAU 9. Production et expéditions de tuyaux, tubes et raccords en acier

	1970		1971	
	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>February — Février</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	28,780	21,230	19,888	16,783
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	47,218	41,685	33,917	27,833
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	23,470	19,359	22,927	19,920
Total	99,468	82,274	76,732	64,536
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	70	94	91	149
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	643	635	680	700
Total	713	729	771	849
<u>Year to date — Total cumulatif</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	54,486	43,528	38,394	34,661
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	78,932	74,052	60,204	46,010
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	47,613	40,780	42,651	39,180
Total	181,031	158,360	141,249	119,851
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	139	193	200	301
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	1,237	1,317	1,286	1,386
Total	1,376	1,510	1,486	1,687

(1) Included with "Other". — Inclus avec "Autres".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products
TABLEAU 10. Production et écoulement des expéditions de produits de lingots et laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
<u>February — 1971 — Février</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	59,274	10,871	64,201	23,057	41,144
For forging and piercing — Pour forgeage et perforation	17,150	—	23,029	...	23,029
Rails	19,355	—	16,501	...	16,501
Wire rods — Fils machine	52,455	—	52,991	245	52,746
Structural shapes — Profilés de charpente:					
Heavy — Lourds	41,780	—	42,076	...	42,076
Bar-sized shapes — De la grosseur d'une barre	12,417	—	9,167	...	9,167
Concrete reinforcing bars — Barres d'armature ou ronds à béton	66,104	—	77,011	227	76,784
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	10,766	—	11,238	1,287	47,219
Other — Autres	36,891	—	37,268		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	1,261	—	1,061	...	1,061
Tie plates — Selles d'appui	4,799	—	4,643	...	4,643
Track spikes — Crampons de traverses de chemin de fer	938	—	938	...	938
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	78,461	—	84,091	1,252	82,839
Hot rolled sheets — Tôles laminées à chaud	106,358	—	123,607	15,389	108,218
Hot rolled strip — Feuillard laminé à chaud	24,564	—	21,112	76	21,036
Hot rolled products — Total — Produits laminés à chaud	532,573	10,871	568,934	41,533	527,401
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	4,952	—	5,343	...	5,343
Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	131,632	—	132,511	2,299	130,212
Galvanized sheets — Tôles galvanisées	50,419	—	49,176	283	48,893
Cold rolled and coated — Total — Laminés à froid et revêtus	187,003	—	187,030	2,582	184,448
Carbon steel — Total — Acier au carbone	719,576	10,871	755,964	44,115	711,849
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	3,596	—	5,545	...	5,545
Alloy plates — Plaques d'alliage	5,379	—	5,974	...	5,974
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	25,814	—	24,129	12	24,117
Cold finished bars — Barres étirées à froid	405	—	429	...	429
Wire rods — Fils machine	630	—	654	24	630
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autres laminés à froid	7,369	259	7,369	...	7,369
Alloy steel — Total — Acier allié	43,193	259	44,100	36	44,064

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir in traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

TABLEAU 10A. Production et écoulement des expéditions de lingots et de laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
<u>Year to date — Total cumulatif</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	112,803	14,237	110,967	55,861	55,106
For forging and piercing — Pour forgeage et perforation	42,302	—	41,352	...	41,352
Rails	43,544	—	40,955	...	40,955
Wire rods — Fils machine	103,289	—	104,469	530	103,939
Structural shapes — Profilés de charpente:					
Heavy — Lourds	90,166	—	89,549	...	89,549
Bar-sized shapes — De la grosseur d'une barre	25,801	—	19,889	...	19,889
Concrete reinforcing bars — Barres d'armature ou ronds à béton	112,243	—	128,328	227	128,101
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	23,314	—	22,533	2,876	92,097
Other — Autres	71,698	—	72,440		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	1,767	—	1,531	...	1,531
Tie plates — Selles d'appui	10,876	—	10,720	...	10,720
Track spikes — Crampons de traverses de chemin de fer	1,984	—	1,999	...	1,999
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	149,156	—	156,043	1,833	154,210
Hot rolled sheets — Tôles laminées à chaud	209,893	—	223,529	19,303	204,226
Hot rolled strip — Feuillard laminé à chaud	56,292	—	44,947	189	44,758
Hot rolled products — Total — Produits laminés à chaud	1,055,128	14,237	1,069,251	80,819	988,432
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	10,108	—	10,729	...	10,729
Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard laminés à froid autres laminés à froid et revêtus (excluant l'étain)	267,213	—	265,071	4,514	260,557
Galvanized sheets — Tôles galvanisées	101,404	—	96,333	434	95,899
Cold rolled and coated — Total — Laminés à froid et revêtus	378,725	—	372,133	4,948	367,185
Carbon steel — Total — Acier au carbone	1,433,853	14,237	1,441,384	85,767	1,355,617
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	10,218	—	13,035	...	13,035
Alloy plates — Plaques d'alliage	17,100	—	17,650	...	17,650
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	43,332	—	39,122	18	39,104
Cold finished bars — Barres étirées à froid	795	—	822	...	822
Wire rods — Fils machine	1,723	—	1,747	24	1,723
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autres laminés à froid	14,158	259	16,522	...	16,522
Alloy steel — Total — Acier allié	87,326	259	88,898	42	88,856

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products
TABLEAU 11. Écoulement des expéditions nettes(1) de produits de laminages d'acier

SDI No. — N ^o du SDI		February — 1971 — Février		Year to date — Total cumulatif	
		Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
		net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
4a	Wholesalers and warehouses — Steel service centres — Commerce de gros et entrepôts — Centres de service de l'acier	86,284	2,383	164,117	4,375
b	Other warehouses — Autres entrepôts	10,191	—	17,839	—
6	Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	69,731	18,271	125,558	29,026
7	Agricultural — Agriculture	9,703	545	23,268	988
8a	Contractors — Building — Entrepreneurs — Construction	30,679	41	60,922	41
b	Construction — Public and utility — Travaux publics et service d'utilité publique	3,636	—	6,430	—
c	Structural steel fabricators — Fabricants d'acier de charpente	77,937	970	143,924	3,213
9	Containers — Conténants	46,042	5	93,590	10
10	Machinery and tools — Machines et outils	21,597	3,645	41,405	7,361
11	Wire, wire products and fasteners — Fil métallique, produits en fil métallique et attaches	50,201	703	94,761	1,706
12	Natural resources and extractive industries — Ressources naturelles et industries de l'extraction	11,672	1,876	25,682	3,321
13	Appliances and utensils — Appareils et ustensiles	13,661	95	30,353	220
14	Other metal stamping and pressing — Autres articles estampés et matricés	37,019	2,778	73,981	6,073
16	Railway operating — Matériel ferroviaire fixe	23,653	18	54,619	526
17	Railroad cars and locomotives — Matériel roulant de chemin de fer	8,670	1,033	17,985	1,549
18	Shipbuilding — Construction de navires	1,745	192	4,160	2,254
19	Pipes and tubes — Tuyaux et tubes	85,569	3,013	156,577	7,625
20	Miscellaneous — Divers	4,764	110	9,641	200
	Domestic shipments — Total — Expéditions au pays	592,754	35,678	1,144,812	68,488
5a	Export — For conversion and return — Exportation — Pour transformation et retour	—	116	—	1,067
b	Other export (for final sale) — Autres exportations (vente)				
i	USA — É.-U.	93,452	6,537	157,642	15,856
ii	Other countries — Autres pays	25,643	1,733	53,163	3,445
	Domestic and export shipments — Total — Expéditions et exportation au pays	711,849	44,064	1,355,617	88,856
	Production (for sale only) — Production (pour la vente seulement)	719,576	43,193	1,433,853	87,326
	Imports by producers (including conversion) — Importation par les fabricants (y compris la transformation)	10,871	259	14,237	259

(1) Compiled by principal consuming industries according to the "Steel Distribution Index", revised January 1964. — Compilé par les principales industries de consommation d'après le Steel Distribution Index révisé en janvier 1964.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
February 1971

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machine	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
					net tons of 2,000 pounds				
4a	Wholesalers and warehouses — Steel service centres.	35	100	—	8,716	2,299	22,084	10,307	60
b	Other warehouses	57	—	—	1,258	362	2,264	417	—
6	Automotive and aircraft industries	1,244	—	142	75	20	—	22,105	—
7	Agricultural	104	—	—	252	290	—	3,075	—
8a	Contractors — Building	—	—	—	1,441	58	8,421	461	—
b	Construction — Public and utility	—	—	—	890	82	1,448	17	—
c	Structural steel fabricators	—	53	1,383	22,697	4,529	26,920	6,738	3
9	Containers	—	—	—	—	—	—	—	—
10	Machinery and tools	—	25	1,837	1,594	184	13	2,935	—
11	Wire, wire products and fasteners	1,159	—	40,222	—	244	—	5,133	6
12	Natural resources and extractive industries.	538	464	33	540	34	177	8,850	137
13	Appliances and utensils	—	—	—	14	—	—	58	—
14	Other metal stamping and pressing	172	80	61	539	277	14,733	1,804	—
16	Railway operating	18	15,402	—	244	91	—	562	6,306
17	Railroad cars and locomotives	2,408	—	—	587	—	—	439	—
18	Shipbuilding	—	—	—	339	—	—	65	—
19	Pipes and tubes	17,725	—	71	—	—	—	81	—
20	Miscellaneous	3,107	—	274	24	39	314	188	—
	Total domestic shipments	26,567	16,124	44,023	39,210	8,509	76,374	63,235	6,512
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	31,007	377	6,319	2,866	658	238	7,335	130
ii	Other countries	12,144	—	3,034	—	—	172	766	—
	Total domestic and export shipments.	69,718	16,501	53,376	42,076	9,167	76,784	71,336	6,642
	Production (for sale only)	80,020	19,355	53,085	41,780	12,417	66,104	73,471	6,998
	Imports by producers (including conversion).	10,871	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Février 1971

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	Galvanized sheets — Tôles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
9,929	12,365	208	1,775	11,985	8,804	88,667	Commerce de gros et entrepôts - Centres de service de l'acier.	4a
1,211	2,839	131	—	1,335	317	10,191	Autres entrepôts	b
990	38,532	2,847	1,461	18,360	2,226	88,002	Industries de l'automobile et de l'aéronautique.	6
1,229	3,026	163	829	1,188	92	10,248	Agriculture	7
960	2,827	283	32	1,643	14,594	30,720	Entrepreneurs - Construction	8a
261	776	—	—	162	—	3,636	Construction - Travaux publics et service d'utilité publique.	b
11,843	2,160	843	48	319	1,371	78,907	Fabricants d'acier de charpente	c
120	643	137	—	45,073	74	46,047	Contenants	9
3,861	3,741	812	852	8,210	1,178	25,242	Machines et outils	10
411	1,763	14	188	1,522	242	50,904	Fil métallique, produits en fil métallique et attaches.	11
1,380	660	—	6	529	200	13,548	Industries des ressources naturelles et de l'extraction.	12
514	2,387	65	163	8,834	1,721	13,756	Appareils et ustensiles	13
2,438	3,442	213	166	10,803	5,069	39,797	Autres articles estampés et matricés ...	14
865	138	—	9	15	21	23,671	Matériel ferroviaire fixe	16
5,522	742	—	3	2	—	9,703	Matériel roulant de chemin de fer	17
1,455	76	—	2	—	—	1,937	Construction de navires	18
35,703	14,000	14,912	15	5,713	362	88,582	Tuyaux et tubes	19
—	—	—	78	762	88	4,874	Divers	20
78,692	90,117	20,628	5,627	116,455	36,359	628,432	Total, expéditions au pays	
—	—	—	—	116	—	116	Exportation - Pour transformation et retour.	5a
10,121	18,624	408	114	14,535	7,257	99,989	Autres exportation (vente) É.-U.	b i
—	324	—	31	5,628	5,277	27,376	Autres pays	ii
88,813	109,065	21,036	5,772	136,734	48,893	755,913	Total, expéditions et exportation au pays.	
83,840	107,205	24,564	5,357	138,154	50,419	762,769	Production (pour la vente seulement)	
—	—	—	—	259	—	11,130	Importation par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Year to date

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machines	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	66	189	—	19,174	5,868	35,179	18,886	170
b	Other warehouses	57	51	—	3,133	816	2,358	995	—
6	Automotive and aircraft industries	3,342	—	246	123	27	—	34,049	—
7	Agricultural	121	—	—	554	743	—	7,543	—
8a	Contractors — Building	—	—	—	2,657	130	14,888	851	3
b	Construction — Public and utility	—	166	—	950	236	2,546	56	—
c	Structural steel fabricators	76	155	2,334	46,705	8,923	42,407	12,552	4
9	Containers	—	—	—	—	—	—	—	—
10	Machinery and tools	—	68	3,066	2,883	313	13	5,130	—
11	Wire, wire products and fasteners	1,435	—	77,199	—	521	7	10,384	648
12	Natural resources and extractive industries.	954	837	33	1,758	83	1,708	17,320	185
13	Appliances and utensils	—	—	—	67	—	—	130	—
14	Other metal stamping and pressing	586	201	263	717	499	27,197	5,415	—
16	Railway operating	18	37,758	—	1,065	111	—	1,046	13,067
17	Railroad cars and locomotives	4,090	—	—	1,963	104	—	1,277	—
18	Shipbuilding	—	—	—	644	—	—	79	—
19	Pipes and tubes	33,199	—	71	—	—	—	81	—
20	Miscellaneous	6,353	—	755	24	101	518	327	—
	Total domestic shipments	50,297	39,425	83,967	82,417	18,475	126,821	116,121	14,077
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	34,994	1,530	13,596	7,132	1,414	577	13,754	130
ii	Other countries	24,202	—	8,099	—	—	703	1,326	43
	Total domestic and export shipments.	109,493	40,955	105,662	89,549	19,889	128,101	131,201	14,250
	Production (for sale only)	165,323	43,544	105,012	90,166	25,801	112,243	138,344	14,627
	Imports by producers (including conversion).	14,237	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12A. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Total cumulatif

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	Galvanized sheets — Tôles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
20,485	24,199	330	3,383	23,886	16,677	168,492	Commerce de gros et entrepôts — Centres de service de l'acier.	4a
2,644	5,016	149	—	2,247	373	17,839	Autres entrepôts	b
2,142	69,228	5,369	2,906	32,709	4,443	154,584	Industries de l'automobile et de l'aéronautique.	6
2,615	7,488	438	1,790	2,638	326	24,256	Agriculture	7
1,640	5,426	738	47	4,256	30,327	60,963	Entrepreneurs — Construction	8a
412	1,734	—	—	330	—	6,430	Construction — Travaux publics et service d'utilité publique.	b
24,776	4,193	1,517	160	803	2,532	147,137	Fabricants d'acier de charpente	c
202	1,118	201	—	91,899	180	93,600	Contenants	9
8,842	7,003	1,441	1,629	15,804	2,574	48,766	Machines et outils	10
661	2,468	118	332	2,336	358	96,467	Fil métallique, produits en fil métallique et attachés.	11
3,299	1,223	—	15	1,270	318	29,003	Industries des ressources naturelles et de l'extraction.	12
1,125	5,111	198	290	19,812	3,840	30,573	Appareils et ustensiles	13
5,387	7,063	493	350	21,931	9,952	80,054	Autres articles estampés et matricés ...	14
1,862	142	—	9	19	48	55,145	Matériel ferroviaire fixe	16
10,319	1,559	—	8	2	212	19,534	Matériel roulant de chemin de fer	17
5,510	175	—	6	—	—	6,414	Construction de navires	18
59,361	26,482	32,880	17	11,498	613	164,202	Tuyaux et tubes	19
101	—	—	139	1,375	148	9,841	Divers	20
151,383	169,628	43,872	11,081	232,815	72,921	1,213,300	Total, expéditions au pays	
—	—	—	—	1,067	—	1,067	Exportation — Pour transformation et retour.	5a
20,477	35,789	886	303	27,891	15,025	173,498	Autres exportation (vente)	b
—	381	—	167	13,734	7,953	56,608	E.-U.	i
							Autres pays	ii
171,860	205,798	44,758	11,551	275,507	95,899	1,444,473	Total, expéditions et exportation au pays.	
166,256	211,465	56,292	10,903	279,799	101,404	1,521,179	Production (pour la vente seulement)	
—	—	—	—	259	—	14,496	Importations par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.



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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- P preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

Note: The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

SIGNES CONVENTIONNELS

Les signes conventionnels suivants sont employés uniformément dans les publications du Bureau fédéral de la statistique:

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- r nombres rectifiés.
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Nota: Les termes expéditions, expéditions nettes, utilisés dans cette publication, se rapportent aux expéditions des producteurs.

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TABLE 1. Pig Iron Capacity, January 1, 1971

TABLEAU 1. Capacité de fonte en gueuses, 1^{er} janvier 1971

	In blast or in use — En activité		Banked, blown out or idle — Vide, hors feu ou chômant	
	Furnaces — Fours	Annual capacity — Capacité annuelle	Furnaces — Fours	Annual capacity — Capacité annuelle
	No. — nomb.	net tons — tonnes nettes	No. — nomb.	net tons — tonnes nettes
Blast furnaces — Hauts fourneaux	15	10,625,000	1	150,000
Electric furnaces — Fours électriques	11	710,000	—	—
Total	26	11,335,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

TABLEAU 2. Charges des hauts fourneaux de fer(1)

	March — 1971 — Mars	Year to date — Total cumulatif
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Crude iron ore — Minerai de fer brut</u>		
From Canadian mines — Des mines canadiennes	21,601	44,046
From foreign mines — Des mines étrangères	67,418	127,599
Pyrite cinder — Cendre de pyrite	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.) — Minerai de fer sinter, bouletté, etc.)</u>		
From Canadian mines — Des mines canadiennes	612,887	1,937,307
From foreign mines — Des mines étrangères	145,042	371,283
From own processing — De propre traitement	100,023	298,716
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.)	16,286	47,872
Scrap iron and steel — Ferraille de fer et d'acier	12,688	37,557
Limestone — Pierre calcaire	35,087	101,207
Dolomite — Dolomie	38,523	102,193
Coke	340,159	988,422

(1) Does not include charges into furnaces used in the smelting of titanium ores. — Ne comprend pas les charges des fours utilisées pour l'affinage des minerais de titane.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.). — Inclus avec les scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

TABEAU 3. Production et expéditions de fonte en gueuses et de ferro-alliages

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>March — Mars</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	739,439	6,513	587,289	5,089
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	60,409 ²	23,737 ²	76,404	30,818
Malleable — Malléable	15,363	10,246 ²	(3)	(3)
Pig iron — Total — Fonte en gueuses	815,211	40,496	663,693	35,907
Ferro-alloys — Ferro-alliages	19,017	22,542	19,973	20,457
Stocks of pig iron on hand at end of month — Stocks de fonte en gueuses à la fin du mois	373,852		305,044	
<u>Year to date — Total cumulatif</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	2,110,308	16,868	1,712,512	12,431
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	185,345 ²	50,746 ²	215,296	89,941
Malleable — Malléable	28,948 ²	31,289 ²	(3)	(3)
Pig iron — Total — Fonte en gueuses	2,324,601 ²	98,903 ²	1,927,808	102,372
Ferro-alloys — Ferro-alliages	49,675	52,799	51,882	51,122

(1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores. — Inclus les produits ferreux obtenus lors de l'affinage des minerais de titane.

(3) Included with "Foundry". — Inclus avec "la Fonderie".

TABLE 4. Steel Furnace Capacity, January 1, 1971

TABEAU 4. Capacité des fours d'acier, 1^{er} janvier 1971

	Annual capacity — Capacité annuelle
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres
<u>Ingots — Lingots</u>	
Basic open hearth — Four à sole, marche basique	6,970,000
Electric — Four électrique	2,294,450
Basic oxygen furnace — Four à oxygène, marche basique	4,400,000
Ingots — Total — Lingots	13,664,450
Steel castings — Moulages d'acier	418,925
Ingots and castings — Total — Lingots et moulages	14,083,375

TABLE 5. Pig Iron and Scrap Charged to Steel Furnaces

TABLEAU 5. Charges de fonte en gueuses et de ferraille dans les fours d'acier

	March - Mars		Year to date - Total cumulatif	
	1970	1971	1970	1971
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
Pig iron - Fonte en gueuses	713,842	611,872	2,044,081	1,778,750
Scrap - Ferraille:				
Own make - De propre fabrication	319,630	335,846	880,910	940,652
Purchased - Achetée	202,936	203,903	604,651	597,640
Pig iron and scrap - Total - Fonte en gueuses et ferraille	1,236,408	1,151,621	3,529,642	3,317,042

TABLE 6. Production and Shipments of Steel Ingots and Castings

TABLEAU 6. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
<u>March - Mars</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) - Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth - Four à sole, marche basique	933,309	11,982	840,250	13,335
Electric - Four électrique	145,503	27,627	154,933	27,533
Basic oxygen furnace - Four à oxygène, marche basique ...	(2)	(2)	(2)	(2)
Steel ingots - Total - Lingots d'acier	1,078,812	39,609	995,183	40,868
Continuous cast steel included in above - Moulages d'acier de coulée continue déclarés ci-dessus	128,908	x	134,484	x
Alloy steel ingots included in above - Lingots d'acier allié déclarés ci-dessus	74,342	x	90,194	x
<u>Steel castings (both carbon and alloy) - Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth - Four à sole, marche basique	-	-	(3)	(3)
Electric - Four électrique	15,718	15,575	19,544	20,325
Basic oxygen furnace - Four à oxygène, marche basique ...	-	-	-	-
Steel castings - Total - Moulages d'acier	15,718	15,575	19,544	20,325
<u>Alloy steel castings included in above - Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese, and abrasion resistant - Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	893	530	747	421
Manganese and abrasive resistant - Acier au manganèse et alliage résistant à l'abrasion	2,386	2,673	3,022	3,109
All other alloys - Tous autres alliages	711	729	908	967
Alloy castings - Total - Moulages d'acier allié	3,990	3,932	4,677	4,497

(1) Includes amounts for sale and for own use. - Inclus les quantités fabriquées pour vente et pour usage à l'usine. (2) Included with "Basic open hearth". - Inclus avec les moulages de "Four à sole, marche basique". (3) Included with "Electric". - Inclus avec "Four électrique".

TABLE 6A. Production and Shipments of Steel Ingots and Castings
TABLEAU 6A. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
Year to date — Total cumulatif	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)				
Basic open hearth — Four à sole, marche basique	2,672,033	40,035	2,439,266	58,430
Electric — Four électrique	422,861	79,423	414,754	66,535(1)
Basic oxygen furnace — Four à oxygène, marche basique	(2)	(2)	(2)	(2)
Steel ingots — Total — Lingots d'acier	3,094,894	119,458	2,854,020	124,965(1)
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus	359,443	x	358,689	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	235,271	x	241,734	x
Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)				
Basic open hearth — Four à sole, marche basique	(3) 44,827	—	(3) 54,597	(3) 52,706
Electric — Four électrique	—	43,814	—	—
Basic oxygen furnace — Four à oxygène, marche basique	—	—	—	—
Steel castings — Total — Moulages d'acier	44,827	43,814	54,597	52,706
Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus				
High alloy, except manganese and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	2,163	1,258	2,120	1,285
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion	6,808	7,221	9,405	9,574
All other alloys — Tous autres alliages	2,216	2,476	2,644	2,921
Alloy castings — Total — Moulages d'acier allié	11,187	10,955	14,169	13,780

See footnote(s) at end of Table 6. — Voir renvoi(s) à la fin du Tableau 6.
(1) Includes revisions for year to date. — Inclus les chiffres rectifiés de l'année à ce jour.

TABLE 7. Disposition of Shipments(1) of Steel Castings
TABLEAU 7. Écoulement des expéditions(1) de moulages d'acier

	March — 1971 — Mars		Year to date — Total cumulatif	
	Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
Wholesalers and warehouses — Commerce de gros et entrepôts	—	—	—	—
Export — Exportation	2,439	186	5,380	645
Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	562	—	1,363	—
Agricultural(2) — Agriculture(2)	97	39	248	69
Construction(3)	34	457	113	1,081
Machinery and tools — Machines et outils	2,087	569	5,485	2,041
Natural resources and extractive industries(4) — Industries des ressources naturelles et de l'extraction(4)	1,617	1,855	4,104	5,218
Railway operating — Matériel ferroviaire fixe	5,992	296	14,225	1,096
Railroad cars and locomotives — Matériel roulant de chemin de fer	2,458	629	6,547	2,449
Shipbuilding — Construction de navires	41	13	99	27
Miscellaneous(5) — Divers(5)	501	453	1,362	1,154
Total	15,828	4,497	38,926	13,780

(1) (a) Compiled by principal consuming industries according to the Steel Distribution Index revised January 1964. — Compilé par les principales industries de consommation, d'après le Steel Distribution Index révisé en janvier 1964. (b) Includes producers' own-make castings allocated to appropriate consuming industry. — Inclus les moulages d'acier de propre fabrication des fabricants affectés à l'industrie de consommation appropriée. (2) Including implement and equipment manufacturers. — Y compris les fabricants d'instruments et de matériel agricoles. (3) Including public works, public utilities and structural steel fabricators. — Y compris les travaux publics, les services d'utilité publique et les fabricants d'acier de charpente. (4) Including mining, lumbering, quarrying, oil and gas, including refineries, etc. — Y compris l'industrie minière, l'exploitation du bois-d'oeuvre, les carrières, le pétrole et le gaz, et les raffineries, etc. (5) Including grinding balls and railway car wheels. — Y compris les broyeurs à boulets et les roues des voitures et wagons de chemin de fer.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

TABLEAU 8. Production mensuelle de fonte en gueuses, de ferro-alliages et de lingots et moulages d'acier

	Pig iron — Fonte en gueuses	Ferro- alloys — Ferro- alliages	Steel — Acier		
			Ingots — Lingots	Castings — Moulages	Total steel — Acier
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>1970</u>					
January — Janvier	788,315	15,124	1,042,829	14,136	1,056,965
February — Février	721,075	15,534	973,253	14,973	988,226
March — Mars	815,211	19,017	1,078,812	15,718	1,094,530
April — Avril	783,074	16,645	1,037,231	16,911	1,054,142
May — Mai	794,136	15,627	1,063,555	16,511	1,080,066
June — Juin	756,542	19,689	1,017,287	17,091	1,034,378
July — Juillet	770,733	17,840	986,555	11,216	997,771
August — Août	738,009	15,788	969,174	14,709	983,883
September — Septembre	703,728	19,827	956,946	17,328	974,274
October — Octobre	741,942	17,850	1,039,287	17,479	1,056,766
November — Novembre	728,891	18,122	1,006,724	17,952	1,024,676
December — Décembre	744,299	18,493	982,759	17,696	1,000,455
Total	9,085,955	209,556	12,154,412	191,720	12,346,132
<u>1971</u>					
January — Janvier	697,562	16,025	993,706	17,499	1,011,205
February — Février	566,553	15,884	865,131	17,554	882,685
March — Mars	663,693	19,973	995,183	19,544	1,014,727
April — Avril					
May — Mai					
June — Juin					
July — Juillet					
August — Août					
September — Septembre					
October — Octobre					
November — Novembre					
December — Décembre					
Total					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings
TABLEAU 9. Production et expéditions de tuyaux, tubes et raccords en acier

	1970		1971	
	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>March — Mars</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	28,252	23,496	31,201	25,827
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	56,091	44,772	45,524	47,595
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	23,422	26,087	24,857	24,638
Total	107,765	94,355	101,582	98,060
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	78	115	90	140
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	586	662	755	811
Total	664	777	845	951
<u>Year to date — Total cumulatif</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	82,738	67,024	69,595	60,488
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	135,023	118,824	105,728	93,605
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	71,035	66,867	67,508	63,818
Total	288,796	252,715	242,831	217,911
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	217	308	290	441
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	1,823	1,979	2,041	2,197
Total	2,040	2,287	2,331	2,638

(1) Included with "Other". — Inclus avec "Autres".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products
TABLEAU 10. Production et écoulement des expéditions de produits de lingots et laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
<u>March — 1971 — Mars</u>					
<u>Carbon steel — Acier au carbone</u>					
Hot rolled — Laminé à chaud					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	59,147	8,540	45,757	37,923	7,834
For forging and piercing — Pour forgeage et perforation	24,982	—	20,397	...	20,397
Rails	30,896	—	29,372	...	29,372
Wire rods — Fils machine	50,074	—	49,124	519	48,605
Structural shapes — Profilés de charpente:					
Heavy — Lourds	48,211	—	46,166	...	46,166
Bar-sized shapes — De la grosseur d'une barre	15,861	—	13,946	...	13,946
Concrete reinforcing bars — Barres d'armature ou ronds à béton	57,104	—	54,537	134	54,403
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	5,040	—	9,554	1,898	49,662
Other — Autres	46,737	—	42,006		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	372	—	215	...	215
Tie plates — Selles d'appui	8,770	—	8,550	...	8,550
Track spikes — Crampons de traverses de chemin de fer	1,633	—	1,592	...	1,592
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	87,522	—	89,701	1,317	88,384
Hot rolled sheets — Tôles laminées à chaud	114,417	—	130,062	17,042	113,020
Hot rolled strip — Feuillard laminé à chaud	30,164	—	25,897	18	25,879
Hot rolled products — Total — Produits laminés à chaud	580,930	8,540	566,876	58,851	508,025
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	6,212	—	6,193	...	6,193
Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	155,969	—	161,891	4,550	157,341
Galvanized sheets — Tôles galvanisées	52,278	—	51,629	475	51,154
Cold rolled and coated — Total — Laminés à froid et revêtus	214,459	—	219,713	5,025	214,688
Carbon steel — Total — Acier au carbone	795,389	8,540	786,589	63,876	722,713
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	8,040	—	7,544	...	7,544
Alloy plates — Plaques d'alliage	11,769	—	10,811	...	10,811
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	19,520	—	18,837	88	18,749
Cold finished bars — Barres étirées à froid	307	—	317	...	317
Wire rods — Fils machine	1,099	—	1,109	10	1,099
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autres laminés à froid	7,230	—	8,739	60	8,679
Alloy steel — Total — Acier allié	47,965	—	47,357	158	47,199

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products
TABLEAU 10A. Production et écoulement des expéditions de lingots et de laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
<u>Year to date — Total cumulatif</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	171,950	22,777	156,724	93,784	62,940
For forging and piercing — Pour forgeage et perforation	67,284	—	61,749	...	61,749
Rails	74,440	—	70,327	...	70,327
Wire rods — Fils machine	153,363	—	153,593	1,049	152,544
Structural shapes — Profilés de charpente:					
Heavy — Lourds	138,377	—	135,715	...	135,715
Bar-sized shapes — De la grosseur d'une barre	41,662	—	33,835	...	33,835
Concrete reinforcing bars — Barres d'armature ou ronds à béton	169,347	—	182,865	361	182,504
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	28,354	—	32,087	4,774	141,759
Other — Autres	118,435	—	114,446		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	2,139	—	1,746	...	1,746
Tie plates — Selles d'appui	19,646	—	19,270	...	19,270
Track spikes — Crampons de traverses de chemin de fer	3,617	—	3,591	...	3,591
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	236,678	—	245,744	3,150	242,594
Hot rolled sheets — Tôles laminées à chaud	324,310	—	353,591	36,345	317,246
Hot rolled strip — Feuillard laminé à chaud	86,456	—	70,844	207	70,637
Hot rolled products — Total — Produits laminés à chaud	1,636,058	22,777	1,636,127	139,670	1,496,457
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	16,320	—	16,922	...	16,922
Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard laminés à froid autres laminés à froid et revêtus (excluant l'étain)	423,182	—	426,962	9,064	417,898
Galvanized sheets — Tôles galvanisées	153,682	—	147,962	909	147,053
Cold rolled and coated — Total — Laminés à froid et revêtus	593,184	—	591,846	9,973	581,873
Carbon steel — Total — Acier au carbone	2,229,242	22,777	2,227,973	149,643	2,078,330
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	18,258	—	20,579	...	20,579
Alloy plates — Plaques d'alliage	28,869	—	28,461	...	28,461
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	62,852	—	57,959	106	57,853
Cold finished bars — Barres étirées à froid	1,102	—	1,139	...	1,139
Wire rods — Fils machine	2,822	—	2,856	34	2,822
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autres laminés à froid	21,388	259	25,261	60	25,201
Alloy steel — Total — Acier allié	135,291	259	136,255	200	136,055

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

TABLEAU 11. Écoulement des expéditions nettes(1) de produits de laminages d'acier

SDI No. — N° du SDI		March — 1971 — Mars		Year to date — Total cumulatif	
		Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
		net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
4a	Wholesalers and warehouses — Steel service centres — Commerce de gros et entrepôts — Centres de service de l'acier	83,117	2,390	247,234	6,765
b	Other warehouses — Autres entrepôts	11,404	22	29,243	22
6	Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	79,860	14,263	205,418	43,289
7	Agricultural — Agriculture	10,021	366	33,289	1,354
8a	Contractors — Building — Entrepreneurs — Construction	36,723	—	97,645	41
b	Construction — Public and utility — Travaux publics et service d'utilité publique	5,976	1	12,406	1
c	Structural steel fabricators — Fabricants d'acier de charpente	74,071	2,143	217,995	5,356
9	Containers — Conteneurs	55,190	71	148,780	81
10	Machinery and tools — Machines et outils	24,609	4,462	66,014	11,823
11	Wire, wire products and fasteners — Fil métallique, produits en fil métallique et attaches	43,714	1,424	138,475	3,130
12	Natural resources and extractive industries — Ressources naturelles et industries de l'extraction	14,348	1,656	40,030	4,977
13	Appliances and utensils — Appareils et ustensiles	16,032	80	46,385	300
14	Other metal stamping and pressing — Autres articles estampés et matricés	36,308	1,894	110,289	7,967
16	Railway operating — Matériel ferroviaire fixe	33,733	—	88,352	526
17	Railroad cars and locomotives — Matériel roulant de chemin de fer	7,220	657	25,205	2,206
18	Shipbuilding — Construction de navires	2,087	207	6,247	2,461
19	Pipes and tubes — Tuyaux et tubes	81,398	5,255	237,975	12,880
20	Miscellaneous — Divers	5,866	134	15,507	334
	Domestic shipments — Total — Expéditions au pays	621,677	35,025	1,766,489	103,513
5a	Export — For conversion and return — Exportation — Pour transformation et retour	—	249	—	1,316
b	Other export (for final sale) — Autres exportations (vente)				
i	USA — É.-U.	86,611	10,206	244,253	26,062
ii	Other countries — Autres pays	14,425	1,719	67,588	5,164
	Domestic and export shipments — Total — Expéditions et exportation au pays	722,713	47,199	2,078,330	136,055
	Production (for sale only) — Production (pour la vente seulement)	795,389	47,965	2,229,242	135,291
	Imports by producers (including conversion) — Importation par les fabricants (y compris la transformation)	8,540	—	22,777	259

(1) Compiled by principal consuming industries according to the "Steel Distribution Index", revised January 1964. — Compilé par les principales industries de consommation d'après le Steel Distribution Index révisé en janvier 1964.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
March 1971

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machine	Structural shapes — Profils de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	19	254	—	9,515	3,526	13,050	8,354	37
b	Other warehouses	96	24	—	1,598	601	1,465	413	—
6	Automotive and aircraft industries	1,544	—	106	15	34	20	19,608	—
7	Agricultural	—	—	—	388	500	—	1,803	—
8a	Contractors — Building	—	—	—	636	33	10,481	234	—
b	Construction — Public and utility	—	—	—	262	52	4,185	196	—
c	Structural steel fabricators	17	41	932	24,215	6,451	18,607	5,627	—
9	Containers	—	—	—	—	—	—	8	—
10	Machinery and tools	—	23	878	1,362	314	—	3,480	—
11	Wire, wire products and fasteners	580	—	32,447	—	324	5	7,077	559
12	Natural resources and extractive industries.	536	1,029	—	394	73	323	9,351	651
13	Appliances and utensils	—	—	—	82	17	—	13	—
14	Other metal stamping and pressing	307	—	155	231	594	6,023	3,719	—
16	Railway operating	5	23,603	—	252	106	—	411	8,830
17	Railroad cars and locomotives	2,531	—	—	512	4	—	118	—
18	Shipbuilding	—	—	—	62	10	—	84	—
19	Pipes and tubes	16,680	—	5	—	—	—	62	—
20	Miscellaneous	3,926	—	137	8	14	60	304	41
	Total domestic shipments	26,241	24,974	34,660	39,532	12,653	54,219	60,862	10,118
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	9,534	4,398	10,888	6,634	1,293	184	6,760	239
ii	Other countries	—	—	4,156	—	—	—	789	—
	Total domestic and export shipments.	35,775	29,372	49,704	46,166	13,946	54,403	68,411	10,357
	Production (for sale only)	92,169	30,896	51,173	48,211	15,861	57,104	71,297	10,775
	Imports by producers (including conversion).	8,540	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Mars 1971

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	Galvanized sheets — Tôles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
12,239	11,109	339	1,933	15,724	9,408	85,507	Commerce de gros et entrepôts - Centres de service de l'acier.	4a
1,223	3,234	131	—	2,432	209	11,426	Autres entrepôts	b
1,402	47,064	2,507	1,958	17,936	1,929	94,123	Industries de l'automobile et de l'aéronautique.	6
1,116	3,548	261	681	1,817	273	10,387	Agriculture	7
1,814	1,772	679	22	2,716	18,336	36,723	Entrepreneurs - Construction	8a
332	782	—	—	168	—	5,977	Construction - Travaux publics et service d'utilité publique.	b
14,956	2,276	432	57	673	1,930	76,214	Fabricants d'acier de charpente	c
301	753	85	—	53,939	175	55,261	Contenants	9
7,170	3,767	524	989	9,071	1,493	29,071	Machines et outils	10
534	1,832	20	206	1,388	166	45,138	Fil métallique, produits en fil métallique et attaches.	11
2,055	808	—	26	526	232	16,004	Industries des ressources naturelles et de l'extraction.	12
395	1,920	136	194	11,043	2,312	16,112	Appareils et ustensiles	13
2,281	3,938	461	258	13,909	6,326	38,202	Autres articles estampés et matricés ...	14
505	—	—	—	—	21	33,733	Matériel ferroviaire fixe	16
4,140	344	—	—	—	228	7,877	Matériel roulant de chemin de fer	17
2,131	7	—	—	—	—	2,294	Construction de navires	18
28,812	14,268	19,814	11	6,312	689	86,653	Tuyaux et tubes	19
10	—	—	17	1,483	—	6,000	Divers	20
81,416	97,422	25,389	6,352	139,137	43,727	656,702	Total, expéditions au pays	
—	—	—	—	249	—	249	Exportation - Pour transformation et retour.	5a
17,779	16,078	490	148	16,553	5,839	96,817	Autres exportation (vente)	b
—	446	—	10	9,155	1,588	16,144	É.-U.	i
							Autres pays	ii
99,195	113,946	25,879	6,510	165,094	51,154	769,912	Total, expéditions et exportation au pays.	
99,291	115,343	30,164	6,519	162,273	52,278	843,354	Production (pour la vente seulement)	
—	—	—	—	—	—	8,540	Importation par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Year to date

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machines	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	85	443	—	28,689	9,394	48,229	27,240	207
b	Other warehouses	153	75	—	4,731	1,417	3,823	1,408	—
6	Automotive and aircraft industries	4,886	—	352	138	61	20	53,657	—
7	Agricultural	121	—	—	942	1,243	—	9,346	—
8a	Contractors — Building	—	—	—	3,293	163	25,369	1,085	3
b	Construction — Public and utility	—	166	—	1,212	288	6,731	252	—
c	Structural steel fabricators	93	196	3,266	70,920	15,374	61,014	18,179	4
9	Containers	—	—	—	—	—	—	8	—
10	Machinery and tools	—	91	3,944	4,245	627	13	8,610	—
11	Wire, wire products and fasteners	2,015	—	109,646	—	845	12	17,461	1,207
12	Natural resources and extractive industries.	1,490	1,866	33	2,152	156	2,031	26,671	836
13	Appliances and utensils	—	—	—	149	17	—	143	—
14	Other metal stamping and pressing	893	201	418	948	1,093	33,220	9,134	—
16	Railway operating	23	61,361	—	1,317	217	—	1,457	21,897
17	Railroad cars and locomotives	6,621	—	—	2,475	108	—	1,395	—
18	Shipbuilding	—	—	—	706	10	—	163	—
19	Pipes and tubes	49,879	—	76	—	—	—	143	—
20	Miscellaneous	10,279	—	892	32	115	578	631	41
	Total domestic shipments	76,538	64,399	118,627	121,949	31,128	181,040	176,983	24,195
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	44,528	5,928	24,484	13,766	2,707	761	20,514	369
ii	Other countries	24,202	—	12,255	—	—	703	2,115	43
	Total domestic and export shipments.	145,268	70,327	155,366	135,715	33,835	182,504	199,612	24,607
	Production (for sale only)	257,492	74,440	156,185	138,377	41,662	169,347	209,641	25,402
	Imports by producers (including conversion).	22,777	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12A. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Total cumulatif								N° du SDI
Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated (ex- cluding tin) — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus (ex- cluant l'étain)	Gal- vanized sheets — Tôles galvani- sées	Total		
tonnes nettes de 2,000 livres								
32,724	35,308	669	5,316	39,610	26,085	253,999	Commerce de gros et entrepôts — Centres de service de l'acier.	4a
3,867	8,250	280	—	4,679	582	29,265	Autres entrepôts	b
3,544	116,292	7,876	4,864	50,645	6,372	248,707	Industries de l'automobile et de l'aéronautique.	6
3,731	11,036	699	2,471	4,455	599	34,643	Agriculture	7
3,454	7,198	1,417	69	6,972	48,663	97,686	Entrepreneurs — Construction	8a
744	2,516	—	—	498	—	12,407	Construction — Travaux publics et service d'utilité publique.	b
39,732	6,469	1,949	217	1,476	4,462	223,351	Fabricants d'acier de charpente	c
503	1,871	286	—	145,838	355	148,861	Contenants	9
16,012	10,770	1,965	2,618	24,875	4,067	77,837	Machines et outils	10
1,195	4,300	138	538	3,724	524	141,605	Fil métallique, produits en fil métal- lique et attachés.	11
5,354	2,031	—	41	1,796	550	45,007	Industries des ressources naturelles et de l'extraction.	12
1,520	7,031	334	484	30,855	6,152	46,685	Appareils et ustensiles	13
7,668	11,001	954	608	35,840	16,278	118,256	Autres articles estampés et matricés ...	14
2,367	142	—	9	19	69	88,878	Matériel ferroviaire fixe	16
14,459	1,903	—	8	2	440	27,411	Matériel roulant de chemin de fer	17
7,641	182	—	6	—	—	8,708	Construction de navires	18
88,173	40,750	52,694	28	17,810	1,302	250,855	Tuyaux et tubes	19
111	—	—	156	2,858	148	15,841	Divers	20
232,799	267,050	69,261	17,433	371,952	116,648	1,870,002	Total, expéditions au pays	
—	—	—	—	1,316	—	1,316	Exportation — Pour transformation et retour.	5a
38,256	51,867	1,376	451	44,444	20,864	270,315	Autres exportation (vente) É.-U.	b i
—	827	—	177	22,889	9,541	72,752	Autres pays	ii
271,055	319,744	70,637	18,061	440,601	147,053	2,214,385	Total, expéditions et exportation au pays.	
265,547	326,808	86,456	17,422	442,072	153,682	2,364,533	Production (pour la vente seulement)	
—	—	—	—	259	—	23,036	Importations par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.



PRIMARY IRON AND STEEL

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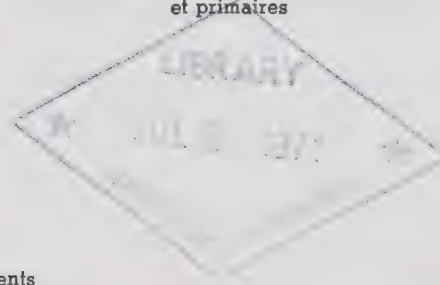
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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- P preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

Note: The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

SIGNES CONVENTIONNELS

Les signes conventionnels suivants sont employés uniformément dans les publications du Bureau fédéral de la statistique:

- .. nombres indisponibles.
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- néant ou zéro.
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- P nombres provisoires.
- r nombres rectifiés.
- x confidentiel en vertu des dispositions de la Loi sur la statistique relatives au secret.

Nota: Les termes expéditions, expéditions nettes, utilisés dans cette publication, se rapportent aux expéditions des producteurs.

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TABLE 1. Pig Iron Capacity, January 1, 1971

TABEAU 1. Capacité de fonte en gueuses, 1^{er} janvier 1971

	In blast or in use — En activité		Banked, blown out or idle — Vide, hors feu ou chômant	
	Furnaces — Fours	Annual capacity — Capacité annuelle	Furnaces — Fours	Annual capacity — Capacité annuelle
	No. — nomb.	net tons — tonnes nettes	No. — nomb.	net tons — tonnes nettes
Blast furnaces — Hauts fourneaux	15	10,625,000	1	150,000
Electric furnaces — Fours électriques	11	710,000	—	—
Total	26	11,335,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

TABEAU 2. Charges des hauts fourneaux de fer(1)

	April — 1971 — Avril	Year to date — Total cumulatif
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Crude iron ore — Minerai de fer brut</u>		
From Canadian mines — Des mines canadiennes	12,541	56,587
From foreign mines — Des mines étrangères	60,850	188,449
Pyrite cinder — Cendre de pyrite	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.) — Minerai de fer sinter, bouletté, etc.)</u>		
From Canadian mines — Des mines canadiennes	717,705	2,655,012
From foreign mines — Des mines étrangères	189,344	560,627
From own processing — De propre traitement	90,163	388,879
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.)	13,945	61,817
Scrap iron and steel — Ferraille de fer et d'acier	14,415	51,972
Limestone — Pierre calcaire	39,323	140,530
Dolomite — Dolomie	47,452	149,645
Coke	380,988	1,369,410

(1) Does not include charges into furnaces used in the smelting of titanium ores. — Ne comprend pas les charges des fours utilisées pour l'affinage des minerais de titane.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.). — Inclus avec les scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

TABLEAU 3. Production et expéditions de fonte en gueuses et de ferro-alliages

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>April — Avril</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	727,438	6,829	662,382	2,832
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	55,636	78,191 [†]	75,605	79,344
Malleable — Malléable	—	(3)	(3)	(3)
Pig iron — Total — Fonte en gueuses	783,074	85,020	737,987	82,176
Ferro-alloys — Ferro-alliages	16,645	17,647	17,044	16,651
Stocks of pig iron on hand at end of month — Stocks de fonte en gueuses à la fin du mois	374,884		311,013	
<u>Year to date — Total cumulatif</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	2,837,746	23,697	2,374,894	15,263
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	240,981 [†]	117,893	290,901	169,285
Malleable — Malléable	28,948 [†]	42,333 [†]	(3)	(3)
Pig iron — Total — Fonte en gueuses	3,107,675 [†]	183,923 [†]	2,665,795	184,548
Ferro-alloys — Ferro-alliages	66,320	70,446	68,926	67,773

(1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores. — Inclus les produits
ferreux obtenus lors de l'affinage des minerais de titane.

(3) Included with "Foundry". — Inclus avec "la fonderie".

TABLE 4. Steel Furnace Capacity, January 1, 1971

TABLEAU 4. Capacité des fours d'acier, 1^{er} janvier 1971

	Annual capacity — Capacité annuelle
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres
<u>Ingots — Lingots</u>	
Basic open hearth — Four à sole, marche basique	6,970,000
Electric — Four électrique	2,294,450
Basic oxygen furnace — Four à oxygène, marche basique	4,400,000
Ingots — Total — Lingots	13,664,450
Steel castings — Moulages d'acier	418,925
Ingots and castings — Total — Lingots et moulages	14,083,375

TABLE 5. Pig Iron and Scrap Charged to Steel Furnaces

TABLEAU 5. Charges de fonte en gueuses et de ferraille dans les fours d'acier

	April - Avril		Year to date - Total cumulatif	
	1970	1971	1970	1971
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
Pig iron - Fonte en gueuses	692,347	635,929	2,736,428	2,414,679
Scrap - Ferraille:				
Own make - De propre fabrication	309,068	320,165	1,189,978	1,260,817
Purchased - Achetée	188,913	216,336	793,564	813,976
Pig iron and scrap - Total - Fonte en gueuses et ferraille	1,190,328	1,172,430	4,719,970	4,489,472

TABLE 6. Production and Shipments of Steel Ingots and Castings

TABLEAU 6. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
<u>April - Avril</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) - Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth - Four à sole, marche basique	898,761	8,234	860,202	16,138
Electric - Four électrique	138,470	20,758	151,010	25,255
Basic oxygen furnace - Four à oxygène, marche basique ...	(2)	(2)	(2)	(2)
Steel ingots - Total - Lingots d'acier	1,037,231	28,992	1,011,212	41,393
Continuous cast steel included in above - Moulages d'acier de coulée continue déclarés ci-dessus	122,354	x	134,280	x
Alloy steel ingots included in above - Lingots d'acier allié déclarés ci-dessus	84,277	x	87,340	x
<u>Steel castings (both carbon and alloy) - Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth - Four à sole, marche basique	-	-	(3)	(3)
Electric - Four électrique	16,911	16,376	18,757	17,841
Basic oxygen furnace - Four à oxygène, marche basique ...	-	-	-	-
Steel castings - Total - Moulages d'acier	16,911	16,376	18,757	17,841
<u>Alloy steel castings included in above - Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese, and abrasion resistant - Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	699	469	763	454
Manganese and abrasive resistant - Acier au manganèse et alliage résistant à l'abrasion	2,515	2,491	2,795	2,967
All other alloys - Tous autres alliages	726	706	850	833
Alloy castings - Total - Moulages d'acier allié	3,940	3,666	4,408	4,254

(1) Includes amounts for sale and for own use. - Inclus les quantités fabriquées pour vente et pour usage à l'usine. (2) Included with "Basic open hearth". - Inclus avec les moulages de "Four à sole, marche basique". (3) Included with "Electric". - Inclus avec "Four électrique". (4) Includes revisions for year to date. - Comprend les chiffres rectifiés de l'année à ce jour.

TABLE 6A. Production and Shipments of Steel Ingots and Castings

TABLEAU 6A. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>Year to date — Total cumulatif</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth — Four à sole, marche basique	3,570,794	48,269	3,299,468	74,568
Electric — Four électrique	561,331	100,181	565,764	91,790
Basic oxygen furnace — Four à oxygène, marche basique	(2)	(2)	(2)	(2)
Steel ingots — Total — Lingots d'acier	4,132,125	148,450	3,865,232	166,358
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus	481,797	x	492,969	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	319,548	x	341,603(4)	x
<u>Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth — Four à sole, marche basique	(3)	—	(3)	(3)
Electric — Four électrique	61,738	60,190	73,354	70,547
Basic oxygen furnace — Four à oxygène, marche basique	—	—	—	—
Steel castings — Total — Moulages d'acier	61,738	60,190	73,354	70,547
<u>Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistants à l'abrasion	2,862	1,727	2,883	1,739
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion	9,323	9,712	12,200	12,541
All other alloys — Tous autres alliages	2,942	3,182	3,494	3,754
Alloy castings — Total — Moulages d'acier allié	15,127	14,621	18,577	18,034

See footnote(s) at end of Table 6. — Voir renvoi(s) à la fin du Tableau 6.

TABLE 7. Disposition of Shipments(1) of Steel Castings

TABLEAU 7. Écoulement des expéditions(1) de moulages d'acier

	April — 1971 — Avril		Year to date — Total cumulatif	
	Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
Wholesalers and warehouses — Commerce de gros et entrepôts	—	—	—	—
Export — Exportation	2,060	365	7,440	1,010
Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	569	—	1,932	—
Agricultural(2) — Agriculture(2)	56	7	304	76
Construction(3)	27	373	140	1,454
Machinery and tools — Machines et outils	1,847	532	7,332	2,573
Natural resources and extractive industries(4) — Industries des ressources naturelles et de l'extraction(4)	1,297	1,847	5,401	7,065
Railway operating — Matériel ferroviaire fixe	4,760	230	18,985	1,326
Railroad cars and locomotives — Matériel roulant de chemin de fer	2,538	535	9,085	2,984
Shipbuilding — Construction de navires	22	3	121	30
Miscellaneous(5) — Divers(5)	411	362	1,773	1,516
Total	13,587	4,254	52,513	18,034

(1) (a) Compiled by principal consuming industries according to the Steel Distribution Index revised January 1964. — Compilé par les principales industries de consommation, d'après le Steel Distribution Index révisé en janvier 1964. (b) Includes producers' own-make castings allocated to appropriate consuming industry. — Inclut les moulages d'acier de propre fabrication des fabricants affectés à l'industrie de consommation appropriée. (2) Including implement and equipment manufacturers. — Y compris les fabricants d'instruments et de matériel agricoles. (3) Including public works, public utilities and structural steel fabricators. — Y compris les travaux publics, les services d'utilité publique et les fabricants d'acier de charpente. (4) Including mining, lumbering, quarrying, oil and gas, including refineries, etc. — Y compris l'industrie minière, l'exploitation du bois-d'oeuvre, les carrières, le pétrole et le gaz, et les raffineries, etc. (5) Including grinding balls and railway car wheels. — Y compris les broyeurs à boulets et les roues des voitures et wagons de chemin de fer.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

TABLEAU 8. Production mensuelle de fonte en gueuses, de ferro-alliages et de lingots et moulages d'acier

	Pig iron — Fonte en gueuses	Ferro- alloys — Ferro- alliages	Steel — Acier		
			Ingots — Lingots	Castings — Moulages	Total steel — Acier
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>1970</u>					
January — Janvier	788,315	15,124	1,042,829	14,136	1,056,965
February — Février	721,075	15,534	973,253	14,973	988,226
March — Mars	815,211	19,017	1,078,812	15,718	1,094,530
April — Avril	783,074	16,645	1,037,231	16,911	1,054,142
May — Mai	794,136	15,627	1,063,555	16,511	1,080,066
June — Juin	756,542	19,689	1,017,287	17,091	1,034,378
July — Juillet	770,733	17,840	986,555	11,216	997,771
August — Août	738,009	15,788	969,174	14,709	983,883
September — Septembre	703,728	19,827	956,946	17,328	974,274
October — Octobre	741,942	17,850	1,039,287	17,479	1,056,766
November — Novembre	728,891	18,122	1,006,724	17,952	1,024,676
December — Décembre	744,299	18,493	982,759	17,696	1,000,455
Total	9,085,955	209,556	12,154,412	191,720	12,346,132
<u>1971</u>					
January — Janvier	697,562	16,025	993,706	17,499	1,011,205
February — Février	566,553	15,884	865,131	17,554	882,685
March — Mars	663,693	19,973	995,183	19,544	1,014,727
April — Avril	737,987	17,044	1,011,212	18,757	1,029,969
May — Mai					
June — Juin					
July — Juillet					
August — Août					
September — Septembre					
October — Octobre					
November — Novembre					
December — Décembre					
Total					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings
TABLEAU 9. Production et expéditions de tuyaux, tubes et raccords en acier

	1970		1971	
	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>April — Avril</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	30,026	22,176	28,960	23,283
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	56,777	57,289	41,290	40,716
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	20,618	19,170	19,966	16,497
Total	107,421	98,635	90,216	80,496
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	123	199	95	81
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	604	760	694	810
Total	727	959	789	891
<u>Year to date — Total cumulatif</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	112,764	89,200	98,555	83,771
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	191,800	176,113	147,018	134,321
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	91,653	86,037	87,474	80,315
Total	396,217	351,350	333,047	298,407
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	340	507	385	522
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	2,427	2,739	2,735	3,007
Total	2,767	3,246	3,120	3,529

(1) Included with "Other". — Inclus avec "Autres".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products
TABLEAU 10. Production et écoulement des expéditions de produits de lingots et laminages d'acier

	Production	Imports — Importations	All shipments — Total (1) — Des expéditions	Shipments for further processing (1) — Expéditions pour traitement ultérieur (1)	Net shipments — Expéditions nettes
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>April — Avril</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	53,253	10,032	66,129	41,673	24,456
For forging and piercing — Pour forgeage et perforation	24,738	—	23,421	...	23,421
Rails	37,931	—	31,571	...	31,571
Wire rods — Fils machine	58,112	—	59,075	132	58,943
Structural shapes — Profilés de charpente:					
Heavy — Lourds	43,779	—	42,068	...	42,068
Bar-sized shapes — De la grosseur d'une barre	6,328	—	9,880	...	9,880
Concrete reinforcing bars — Barres d'armature ou ronds à béton	58,585	—	48,071	...	48,071
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	5,000	—	9,639		
Other — Autres	41,378	—	34,347	1,789	42,197
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	2,225	—	2,233	...	2,233
Tie plates — Selles d'appui	8,231	—	8,617	...	8,617
Track spikes — Crampons de traverses de chemin de fer	1,233	—	1,255	...	1,255
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	86,672	—	90,570	1,213	89,357
Hot rolled sheets — Tôles laminées à chaud	115,841	—	119,161	9,988	109,173
Hot rolled strip — Feuillard laminé à chaud	35,540	—	33,355	46	33,309
Hot rolled products — Total — Produits laminés à chaud	578,846	10,032	579,392	54,841	524,551
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	5,157	—	5,627	...	5,627
Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	140,064	—	141,773	2,956	138,817
Galvanized sheets — Tôles galvanisées	53,929	—	55,005	280	54,725
Cold rolled and coated — Total — Laminés à froid et revêtus	199,150	—	202,405	3,236	199,169
Carbon steel — Total — Acier au carbone	777,996	10,032	781,797	58,077	723,720
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	7,418	—	7,288	...	7,288
Alloy plates — Plaques d'alliage	11,767	—	11,014	...	11,014
Other hot rolled bars including structural — Autres barres laminées à chaud y compris les barres de charpente	18,727	—	15,976	19	15,957
Cold finished bars — Barres étirées à froid	503	—	493	...	493
Wire rods — Fils machine	1,155	—	1,160	5	1,155
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autre laminés à froid	6,684	142	8,979	...	8,979
Alloy steel — Total — Acier allié	46,254	142	44,910	24	44,886

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir in traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

TABEAU 10A. Production et écoulement des expéditions de lingots et de laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
Year to date — Total cumulatif					
Carbon steel — Acier au carbone					
Hot rolled — Laminé à chaud					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	225,203	32,809	222,853	135,457	87,396
For forging and piercing — Pour forgeage et perforation	92,022	—	85,170	...	85,170
Rails	112,371	—	101,898	...	101,898
Wire rods — Fils machine	211,475	—	212,668	1,181	211,487
Structural shapes — Profilés de charpente:					
Heavy — Lourds	182,156	—	177,783	...	177,783
Bar-sized shapes — De la grosseur d'une barre	47,990	—	43,715	...	43,715
Concrete reinforcing bars — Barres d'armature ou ronds à béton	227,932	—	230,936	361	230,575
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	33,354	—	41,726	...	...
Other — Autres	159,813	—	148,793	6,563	183,956
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	4,364	—	3,979	...	3,979
Tie plates — Selles d'appui	27,877	—	27,887	...	27,887
Track spikes — Crampons de traverses de chemin de fer	4,850	—	4,846	...	4,846
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	323,350	—	336,314	4,363	331,951
Hot rolled sheets — Tôles laminées à chaud	440,151	—	472,752	46,333	426,419
Hot rolled strip — Feuillard laminé à chaud	121,996	—	104,199	253	103,946
Hot rolled products — Total — Produits laminés à chaud	2,214,904	32,809	2,215,519	194,511	2,021,008
Cold rolled and coated — Laminé à froid et revêtu					
Cold finished bars — Barres étirées à froid	21,477	—	22,549	...	22,549
Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Tôles et feuillard laminés à froid autres laminés à froid et revêtus (excluant l'étain)	563,246	—	568,735	12,020	556,715
Galvanized sheets — Tôles galvanisées	207,611	—	202,967	1,189	201,778
Cold rolled and coated — Total — Laminés à froid et revêtus	792,334	—	794,251	13,209	781,042
Carbon steel — Total — Acier au carbone	3,007,238	32,809	3,009,770	207,720	2,802,050
Alloy steel — Acier allié					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	25,676	—	27,867	...	27,867
Alloy plates — Plaques d'alliage	40,636	—	39,475	...	39,475
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	81,579	—	73,935	125	73,810
Cold finished bars — Barres étirées à froid	1,605	—	1,632	...	1,632
Wire rods — Fils machine	3,977	—	4,016	39	3,977
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autres laminés à froid	28,072	401	34,240	60	34,180
Alloy steel — Total — Acier allié	181,545	401	181,165	224	180,941

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

TABLEAU 11. Écoulement des expéditions nettes(1) de produits de laminages d'acier

SDI No. — N ^o du SDI		April — 1971 — Avril		Year to date — Total cumulatif	
		Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
		net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
4a	Wholesalers and warehouses — Steel service centres — Commerce de gros et entrepôts — Centres de service de l'acier	83,066	2,369	330,300	9,134
b	Other warehouses — Autres entrepôts	10,502	21	39,745	43
6	Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	68,794	10,924	274,212	54,213
7	Agricultural — Agriculture	9,879	298	43,168	1,652
8a	Contractors — Building — Entrepreneurs — Construction	29,576	104	127,221	145
b	Construction — Public and utility — Travaux publics et service d'utilité publique	5,465	—	17,871	1
c	Structural steel fabricators — Fabricants d'acier de charpente	69,924	1,554	287,919	6,910
9	Containers — Conteneurs	47,026	12	195,806	93
10	Machinery and tools — Machines et outils	22,784	4,643	88,798	16,466
11	Wire, wire products and fasteners — Fil métallique, produits en fil métallique et attaches	46,492	817	184,967	3,947
12	Natural resources and extractive industries — Ressources naturelles et industries de l'extraction	11,926	1,919	51,956	6,896
13	Appliances and utensils — Appareils et ustensiles	14,382	85	60,767	385
14	Other metal stamping and pressing — Autres articles estampés et matricés	34,968	3,826	145,257	11,793
16	Railway operating — Matériel ferroviaire fixe	43,238	18	131,590	544
17	Railroad cars and locomotives — Matériel roulant de chemin de fer	6,621	905	31,826	3,111
18	Shipbuilding — Construction de navires	2,399	139	8,646	2,600
19	Pipes and tubes — Tuyaux et tubes	95,198	4,255	333,173	17,135
20	Miscellaneous — Divers	4,524	105	20,031	439
	Domestic shipments — Total — Expéditions au pays	606,764	31,994	2,373,253	135,507
5a	Export — For conversion and return — Exportation — Pour transformation et retour	—	669	—	1,985
b	Other export (for final sale) — Autres exportations (vente)				
i	USA — É.-U.	94,269	10,798	338,522	36,860
ii	Other countries — Autres pays	22,687	1,425	90,275	6,589
	Domestic and export shipments — Total — Expéditions et exportation au pays	723,720	44,886	2,802,050	180,941
	Production (for sale only) — Production (pour la vente seulement)	777,996	46,254	3,007,238	181,545
	Imports by producers (including conversion) — Importation par les fabricants (y compris la transformation)	10,032	142	32,809	401

(1) Compiled by principal consuming industries according to the "Steel Distribution Index", revised January 1964. — Compilé par les principales industries de consommation d'après le Steel Distribution Index révisé en janvier 1964.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

April 1971

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machine	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	5	—	—	8,838	2,977	12,333	7,843	58
b	Other warehouses	24	24	—	1,592	455	1,414	355	6
6	Automotive and aircraft industries	1,949	—	92	25	—	—	15,144	—
7	Agricultural	39	—	—	254	409	3	1,666	—
8a	Contractors — Building	—	—	—	534	40	2,791	538	—
b	Construction — Public and utility	—	—	—	2,071	—	2,267	61	—
c	Structural steel fabricators	—	65	1,088	21,126	3,964	16,716	5,049	19
9	Containers	—	—	—	—	—	—	—	—
10	Machinery and tools	4	4	1,437	1,060	319	145	3,171	—
11	Wire, wire products and fasteners	489	—	37,304	30	360	9	5,015	367
12	Natural resources and extractive industries.	579	877	—	600	25	587	8,653	356
13	Appliances and utensils	—	—	—	32	5	—	85	—
14	Other metal stamping and pressing	391	51	79	216	296	8,451	2,786	—
16	Railway operating	17	29,433	—	327	12	—	745	11,233
17	Railroad cars and locomotives	3,086	—	—	401	12	—	163	—
18	Shipbuilding	—	—	—	523	4	—	38	—
19	Pipes and tubes	18,187	—	—	—	—	—	30	—
20	Miscellaneous	3,337	—	386	6	3	55	358	66
	Total domestic shipments	28,107	30,454	40,386	37,635	8,881	44,771	51,700	12,105
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	14,969	1,117	16,383	4,433	999	3,279	5,935	—
ii	Other countries	12,089	—	3,329	—	—	21	519	—
	Total domestic and export shipments.	55,165	31,571	60,098	42,068	9,880	48,071	58,154	12,105
	Production (for sale only)	85,409	37,931	59,267	43,779	6,328	58,585	65,105	11,689
	Imports by producers (including conversion).	10,032	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Avril 1971

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Toles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated (excluding tin) — Toles et feuillard, laminés à froid, autres laminés à froid et revêtus (excluant l'étain)	Galvanized sheets — Toles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
13,898	13,161	243	2,322	13,637	10,120	85,435	Commerce de gros et entrepôts - Centres de service de l'acier.	4a
1,149	3,182	16	—	1,887	419	10,523	Autres entrepôts	b
1,043	38,871	2,866	1,669	16,510	1,549	79,718	Industries de l'automobile et de l'aéronautique.	6
710	4,314	77	569	1,727	409	10,177	Agriculture	7
1,188	2,343	292	15	2,380	19,559	29,680	Entrepreneurs - Construction	8a
245	706	—	—	115	—	5,465	Construction - Travaux publics et service d'utilité publique.	b
16,146	3,085	827	34	346	3,013	71,478	Fabricants d'acier de charpente	c
219	924	209	—	45,473	213	47,038	Contenants	9
5,876	3,559	732	675	9,058	1,387	27,427	Machines et outils	10
575	1,689	2	180	1,129	160	47,309	Fil métallique, produits en fil métallique et attaches.	11
1,208	379	—	43	289	249	13,845	Industries des ressources naturelles et de l'extraction.	12
574	1,509	102	131	9,971	2,058	14,467	Appareils et ustensiles	13
4,159	3,227	552	266	12,254	6,066	38,794	Autres articles estampés et matricés ...	14
1,066	291	—	91	22	19	43,256	Matériel ferroviaire fixe	16
3,395	469	—	—	—	—	7,526	Matériel roulant de chemin de fer	17
1,865	108	—	—	—	—	2,538	Construction de navires	18
32,462	15,689	26,754	3	5,951	377	99,453	Tuyaux et tubes	19
53	—	—	12	353	—	4,629	Divers	20
85,831	93,506	32,672	6,010	121,102	45,598	638,758	Total, expéditions au pays	
—	—	—	—	669	—	669	Exportation - Pour transformation et retour.	5a
14,540	16,340	637	99	18,098	8,238	105,067	Autres exportation (vente)	b
—	(- 199)	—	11	7,453	889	24,112	É.-U.	i
							Autres pays	ii
100,371	109,647	33,309	6,120	147,322	54,725	768,606	Total, expéditions et exportation au pays.	
98,439	116,315	35,540	5,660	146,274	53,929	824,250	Production (pour la vente seulement)	
—	—	—	—	142	—	10,174	Importation par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Year to date

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machines	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	90	443	—	37,527	12,371	60,562	35,083	265
b	Other warehouses	177	99	—	6,323	1,872	5,237	1,763	6
6	Automotive and aircraft industries	6,835	—	444	163	61	20	68,801	—
7	Agricultural	160	—	—	1,196	1,652	3	11,012	—
8a	Contractors — Building	—	—	—	3,827	203	28,160	1,623	3
b	Construction — Public and utility	—	166	—	3,283	288	8,998	313	—
c	Structural steel fabricators	93	261	4,354	92,046	19,338	77,730	23,228	23
9	Containers	—	—	—	—	—	—	8	—
10	Machinery and tools	4	95	5,381	5,305	946	158	11,781	—
11	Wire, wire products and fasteners	2,504	—	146,950	30	1,205	21	22,476	1,574
12	Natural resources and extractive industries.	2,069	2,743	33	2,752	181	2,618	35,324	1,192
13	Appliances and utensils	—	—	—	181	22	—	228	—
14	Other metal stamping and pressing	1,284	252	497	1,164	1,389	41,671	11,920	—
16	Railway operating	40	90,794	—	1,644	229	—	2,202	33,130
17	Railroad cars and locomotives	9,707	—	—	2,876	120	—	1,558	—
18	Shipbuilding	—	—	—	1,229	14	—	201	—
19	Pipes and tubes	68,066	—	76	—	—	—	173	—
20	Miscellaneous	13,616	—	1,278	38	118	633	989	107
	Total domestic shipments	104,645	94,853	159,013	159,584	40,009	225,811	228,683	36,300
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	59,497	7,045	40,867	18,199	3,706	4,040	26,449	369
ii	Other countries	36,291	—	15,584	—	—	724	2,634	43
	Total domestic and export shipments.	200,433	101,898	215,464	177,783	43,715	230,575	257,766	36,712
	Production (for sale only)	342,901	112,371	215,452	182,156	47,990	227,932	274,746	37,091
	Imports by producers (including conversion).	32,809	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12A. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Total cumulé							Description	Code
Plates including plates for pipes and tubes — Plaque composées pour tuyaux et tubes	Hot rolled sheets — Divers laminés à chaud	Hot rolled strip — Feuille laminée à chaud	Cold finished bars — Barres éclatées à froid	Cold finished sheets and strip, cold rolled other, plates (excluding tin) — Divers laminés à froid et divers autres laminés à froid	Galvanized sheets — Divers galvanisés	Total		
tonnes nettes de 2.000 livres								
46,622	48,469	912	7,638	53,247	36,205	339,434	Commerce de gros et entrepôts — Centres de service de l'acier.	4a
5,016	11,432	296	—	6,566	1,001	39,788	Autres entrepôts	b
4,587	155,163	10,742	6,533	67,155	7,921	328,425	Industries de l'automobile et de l'aéronautique.	6
4,441	15,360	778	3,040	6,080	1,908	44,820	Agriculture	7
4,642	9,541	1,709	84	9,352	68,222	127,366	Entrepreneurs — Construction	8a
989	3,222	—	—	613	—	17,871	Construction — Travaux publics et service d'utilité publique.	b
55,878	9,554	2,776	251	1,822	7,475	294,829	Fabricants d'acier de charpente	c
722	2,795	495	—	191,311	568	195,899	Contenants	9
21,888	14,329	2,697	3,293	33,933	5,454	105,264	Machines et outils	10
1,770	5,989	140	718	4,853	684	288,314	Fil métallique, produits en fil métallique et attachés.	11
6,562	2,410	—	84	2,085	799	58,881	Industries des ressources naturelles et de l'extraction.	12
2,094	8,540	436	615	40,826	8,110	61,151	Appareils et ustensiles	13
11,827	14,228	1,506	874	48,094	22,344	157,030	Autres articles estampés et matricés ...	14
3,433	433	—	100	41	88	132,134	Matériel ferroviaire fixe	16
17,854	2,372	—	8	2	440	34,937	Matériel roulant de chemin de fer	17
9,506	290	—	6	—	—	11,246	Construction de navires	18
120,635	56,439	79,448	31	23,761	1,679	350,308	Tuyaux et tubes	19
164	—	—	168	3,211	148	20,470	Divers	20
318,630	360,556	101,933	23,447	493,056	162,246	2,508,760	Total, expéditions au pays	
—	—	—	—	1,985	—	1,985	Exportation — Pour transformation et retour.	5a
52,796	68,207	2,013	530	62,542	23,102	375,382	Autres exportation (vente)	b
—	628	—	188	30,342	10,430	96,864	É.-U.	i
—	—	—	—	—	—	—	Autres pays	ii
371,426	429,391	103,946	24,181	587,923	201,778	2,961,991	Total, expéditions et exportation au pays.	
363,986	443,123	121,996	23,082	588,346	207,611	3,188,785	Production (pour la vente seulement)	
—	—	—	—	401	—	33,210	Importations par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1960.



PRIMARY IRON AND STEEL

FER ET ACIER PRIMAIRE

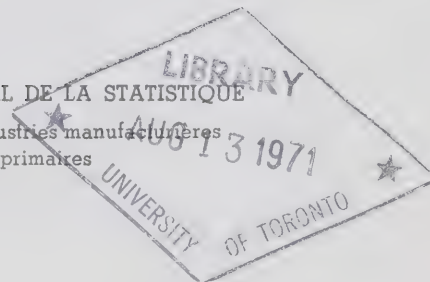
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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
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- nil or zero.
- amount too small to be expressed.
- P preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

Note: The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

SIGNES CONVENTIONNELS

Les signes conventionnels suivants sont employés uniformément dans les publications du Bureau fédéral de la statistique:

- .. nombres indisponibles.
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- x confidentiel en vertu des dispositions de la Loi sur la statistique relatives au secret.

Nota: Les termes expéditions, expéditions nettes, utilisés dans cette publication, se rapportent aux expéditions des producteurs.

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TABLE 1. Pig Iron Capacity, January 1, 1971

TABLEAU 1. Capacité de fonte en gueuses, 1^{er} janvier 1971

	In blast or in use — En activité		Banked, blown out or idle — Vide, hors feu ou chômant	
	Furnaces — Fours	Annual capacity — Capacité annuelle	Furnaces — Fours	Annual capacity — Capacité annuelle
	No. — nomb.	net tons — tonnes nettes	No. — nomb.	net tons — tonnes nettes
Blast furnaces — Hauts fourneaux	15	10,625,000	1	150,000
Electric furnaces — Fours électriques	11	710,000	—	—
Total	26	11,335,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

TABLEAU 2. Charges des hauts fourneaux de fer(1)

	May — 1971 — Mai	Year to date — Total cumulatif
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Crude iron ore — Minéral de fer brut</u>		
From Canadian mines — Des mines canadiennes	20,231	76,818
From foreign mines — Des mines étrangères	7,655	196,104
Pyrite cinder — Cendre de pyrite	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.) — Minéral de fer sinter, bouletté, etc.)</u>		
From Canadian mines — Des mines canadiennes	800,385	3,455,397
From foreign mines — Des mines étrangères	240,277	800,904
From own processing — De propre traitement	104,432	493,311
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.)	15,517	77,334
Scrap iron and steel — Ferraille de fer et d'acier	10,442	62,414
Limestone — Pierre calcaire	37,323	177,853
Dolomite — Dolomie	39,933	189,578
Coke	409,127	1,778,537

(1) Does not include charges into furnaces used in the smelting of titanium ores. — Ne comprend pas les charges des fours utilisées pour l'affinage des minerais de titane.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.). — Inclus avec les scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

TABEAU 3. Production et expéditions de fonte en gueuses et de ferro-alliages

	1970 ^r		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>May — Mai</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	734,861	4,109	732,301	3,808
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	59,275	80,618	73,884	81,146
Malleable — Malléable	—	16,195	(3)	(3)
Pig iron — Total — Fonte en gueuses	794,136	100,922	806,185	84,954
Ferro-alloys — Ferro-alliages	15,627	16,494	18,475	16,705
Stocks of pig iron on hand at end of month — Stocks de fonte en gueuses à la fin du mois	318,724		309,455	
<u>Year to date — Total cumulatif</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	3,572,607	27,806	3,107,195	19,071
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	300,256	198,511	364,785	250,431
Malleable — Malléable	28,948	58,528	(3)	(3)
Pig iron — Total — Fonte en gueuses	3,901,811	284,845	3,471,980	269,502
Ferro-alloys — Ferro-alliages	81,947	86,940	87,401	84,478

(1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores. — Inclus les produits ferreux obtenus lors de l'affinage des minerais de titane.

(3) Included with "Foundry". — Inclus avec "La Fonderie".

TABLE 4. Steel Furnace Capacity, January 1, 1971

TABEAU 4. Capacité des fours d'acier, 1^{er} janvier 1971

	Annual capacity — Capacité annuelle
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres
<u>Ingots — Lingots</u>	
Basic open hearth — Four à sole, marche basique	6,970,000
Electric — Four électrique	2,294,450
Basic oxygen furnace — Four à oxygène, marche basique	4,400,000
Ingots — Total — Lingots	13,664,450
Steel castings — Moulages d'acier	418,925
Ingots and castings — Total — Lingots et moulages	14,083,375

TABLE 5. Pig Iron and Scrap Charged to Steel Furnaces

TABLEAU 5. Charges de fonte en gueuses et de ferraille dans les fours d'acier

	May - Mai		Year to date - Total cumulatif	
	1970	1971	1970	1971
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
Pig iron - Fonte en gueuses	722,828	713,063	3,459,256	3,127,742
Scrap - Ferraille:				
Own make - De propre fabrication	313,870	301,391	1,503,848	1,562,208
Purchased - Achetée	184,180	232,241	977,744	1,046,217
Pig iron and scrap - Total - Fonte en gueuses et ferraille	1,220,878	1,246,695	5,940,848	5,736,167

TABLE 6. Production and Shipments of Steel Ingots and Castings

TABLEAU 6. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
<u>May - Mai</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) - Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth - Four à sole, marche basique	924,541	18,111	932,681	18,078
Electric - Four électrique	139,014	22,914	143,568	23,469
Basic oxygen furnace - Four à oxygène, marche basique ...	(2)	(2)	(2)	(2)
Steel ingots - Total - Lingots d'acier	1,063,555	41,025	1,076,249	41,547
Continuous cast steel included in above - Moulages d'acier de coulée continue déclarés ci-dessus	120,132	x	118,426	x
Alloy steel ingots included in above - Lingots d'acier allié déclarés ci-dessus	88,051	x	101,402	x
<u>Steel castings (both carbon and alloy) - Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth - Four à sole, marche basique	-	-	(3)	-
Electric - Four électrique	16,511	15,453	19,068	17,560
Basic oxygen furnace - Four à oxygène, marche basique ...	-	-	-	-
Steel castings - Total - Moulages d'acier	16,511	15,453	19,068	17,560
<u>Alloy steel castings included in above - Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese, and abrasion resistant - Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	744	506	596	384
Manganese and abrasive resistant - Acier au manganèse et alliage résistant à l'abrasion	1,942	2,214	2,691	2,750
All other alloys - Tous autres alliages	720	716	972	969
Alloy castings - Total - Moulages d'acier allié	3,406	3,436	4,259	4,103

(1) Includes amounts for sale and for own use. - Inclus les quantités fabriquées pour vente et pour usage à l'usine. (2) Included with "Basic open hearth". - Inclus avec les moulages de "Four à sole, marche basique". (3) Included with "Electric". - Inclus avec "Four électrique".

TABLE 6A. Production and Shipments of Steel Ingots and Castings
TABLEAU 6A. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
Year to date — Total cumulatif				
Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)				
Basic open hearth — Four à sole, marche basique	4,495,335	66,380	4,232,149	92,646
Electric — Four électrique	700,345	123,095	709,332	115,259
Basic oxygen furnace — Four à oxygène, marche basique	(2)	(2)	(2)	(2)
Steel ingots — Total — Lingots d'acier	5,195,680	189,475	4,941,481	207,905
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus	601,929	x	611,395	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	407,599	x	443,005	x
Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)				
Basic open hearth — Four à sole, marche basique	(3)	—	(3)	(3)
Electric — Four électrique	78,249	75,643	92,422	88,107
Basic oxygen furnace — Four à oxygène, marche basique	—	—	—	—
Steel castings — Total — Moulages d'acier	78,249	75,643	92,422	88,107
Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus				
High alloy, except manganese and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	3,606	2,233	3,479	2,123
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion	11,265	11,926	14,891	15,291
All other alloys — Tous autres alliages	3,662	3,898	4,466	4,723
Alloy castings — Total — Moulages d'acier allié	18,533	18,057	22,836	22,137

See footnote(s) at end of Table 6. — Voir renvoi(s) à la fin du Tableau 6.

TABLE 7. Disposition of Shipments(1) of Steel Castings
TABLEAU 7. Écoulement des expéditions(1) de moulages d'acier

	May — Mai		Year to date — Total cumulatif	
	Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
Wholesalers and warehouses — Commerce de gros et entrepôts	—	—	—	—
Export — Exportation	1,853	408	9,293	1,418
Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	157	—	2,089	—
Agricultural(2) — Agriculture(2)	51	17	355	93
Construction(3)	77	366	217	1,820
Machinery and tools — Machines et outils	1,846	482	9,178	3,055
Natural resources and extractive industries(4) — Industries des ressources naturelles et de l'extraction(4)	1,282	1,891	6,683	8,956
Railway operating — Matériel ferroviaire fixe	4,922	189	23,907	1,515
Railroad cars and locomotives — Matériel roulant de chemin de fer	2,787	393	11,872	3,377
Shipbuilding — Construction de navires	13	3	134	33
Miscellaneous(5) — Divers(5)	469	354	2,242	1,870
Total	13,457	4,103	65,970	22,137

(1) (a) Compiled by principal consuming industries according to the Steel Distribution Index revised January 1964. — Compilé par les principales industries de consommation, d'après le Steel Distribution Index révisé en janvier 1964. (b) Includes producers' own-make castings allocated to appropriate consuming industry. — Inclut les moulages d'acier de propre fabrication des fabricants affectés à l'industrie de consommation appropriée. (2) Including implement and equipment manufacturers. — Y compris les fabricants d'instruments et de matériel agricoles. (3) Including public works, public utilities and structural steel fabricators. — Y compris les travaux publics, les services d'utilité publique et les fabricants d'acier de charpente. (4) Including mining, lumbering, quarrying, oil and gas, including refineries, etc. — Y compris l'industrie minière, l'exploitation du bois-d'oeuvre, les carrières, le pétrole et le gaz, et les raffineries, etc. (5) Including grinding balls and railway car wheels. — Y compris les broyeurs à boulets et les roues des voitures et wagons de chemin de fer.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings
TABLEAU 8. Production mensuelle de fonte en gueuses, de ferro-alliages et de lingots et moulages d'acier

	Pig iron — Fonte en gueuses	Ferro- alloys — Ferro- alliages	Steel — Acier		
			Ingots — Lingots	Castings — Moulages	Total steel — Acier
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>1970</u>					
January — Janvier	788,315	15,124	1,042,829	14,136	1,056,965
February — Février	721,075	15,534	973,253	14,973	988,226
March — Mars	815,211	19,017	1,078,812	15,718	1,094,530
April — Avril	783,074	16,645	1,037,231	16,911	1,054,142
May — Mai	794,136	15,627	1,063,555	16,511	1,080,066
June — Juin	756,542	19,689	1,017,287	17,091	1,034,378
July — Juillet	770,733	17,840	986,555	11,216	997,771
August — Août	738,009	15,788	969,174	14,709	983,883
September — Septembre	703,728	19,827	956,946	17,328	974,274
October — Octobre	741,942	17,850	1,039,287	17,479	1,056,766
November — Novembre	728,891	18,122	1,006,724	17,952	1,024,676
December — Décembre	744,299	18,493	982,759	17,696	1,000,455
Total	9,085,955	209,556	12,154,412	191,720	12,346,132
<u>1971</u>					
January — Janvier	697,562	16,025	993,706	17,499	1,011,205
February — Février	566,553	15,884	865,131	17,554	882,685
March — Mars	663,693	19,973	995,183	19,544	1,014,727
April — Avril	737,987	17,044	1,011,212	18,757	1,029,969
May — Mai	806,185	18,475	1,076,249	19,068	1,095,317
June — Juin					
July — Juillet					
August — Août					
September — Septembre					
October — Octobre					
November — Novembre					
December — Décembre					
Total					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

TABLEAU 9. Production et expéditions de tuyaux, tubes et raccords en acier

	1970		1971	
	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>May — Mai</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	22,930	21,452	27,053	23,660
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	40,911	41,531	56,101	51,763
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	20,115	19,492	23,570	20,481
Total	83,956	82,475	106,724	95,904
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	123	159	98	130
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	595	597	706	882
Total	718	756	804	1,012
<u>Year to date — Total cumulatif</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	135,694	110,652	125,608	107,431
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	232,711	217,644	203,119	186,084
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	111,768	105,529	111,044	100,796
Total	480,173	433,825	439,771	394,311
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	463	666	483	652
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	3,022	3,336	3,441	3,889
Total	3,485	4,002	3,924	4,541

(1) Included with "Other". — Inclus avec "Autres"

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products
TABLEAU 10. Production et écoulement des expéditions de produits de lingots et laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
May — 1971 — Mai					
<u>Carbon steel — Acier au carbone</u>					
Hot rolled — Laminé à chaud					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	63,439	5,782	60,475	39,082	21,393
For forging and piercing — Pour forgeage et perforation	26,988	—	22,670	...	22,670
Rails	23,256	—	24,474	...	24,474
Wire rods — Fils machine	47,737	—	47,285	445	46,840
Structural shapes — Profilés de charpente:					
Heavy — Lourds	48,421	—	48,156	...	48,156
Bar-sized shapes — De la grosseur d'une barre	12,914	—	11,074	...	11,074
Concrete reinforcing bars — Barres d'armature ou ronds à béton	62,610	—	59,978	...	59,978
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plats	4,350	—	8,827)	1,660	49,937
Other — Autres	53,191	—	42,770)		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	899	—	925	...	925
Tie plates — Selles d'appui	8,695	—	8,488	10	8,478
Track spikes — Crampons de traverses de chemin de fer	1,258	—	1,247	...	1,247
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	95,845	—	100,243	1,474	98,769
Hot rolled sheets — Tôles laminées à chaud	114,897	—	120,955	8,191	112,764
Hot rolled strip — Feuillard laminé à chaud	33,525	—	30,651	95	30,556
Hot rolled products — Total — Produits laminés à chaud	598,025	5,782	588,218	50,957	537,261
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	5,417	—	5,530	...	5,530
Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard laminés à froid, autres laminés à froid et revêtus	151,624	—	158,118	1,782	156,336
Galvanized sheets — Tôles galvanisées	60,514	—	59,597	379	59,218
Cold rolled and coated — Total — Laminés à froid et revêtus	217,555	—	223,245	2,161	221,084
Carbon steel — Total — Acier au carbone	815,580	5,782	811,463	53,118	758,345
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	6,221	—	4,636	...	4,636
Alloy plates — Plaques d'alliage	9,289	—	9,413	...	9,413
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	23,607	—	19,524	14	19,510
Cold finished bars — Barres étirées à froid	420	—	441	...	441
Wire rods — Fils machine	605	—	609	4	605
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autres laminés à froid	6,013	542	9,752	...	9,732
Alloy steel — Total — Acier allié	46,155	542	44,375	18	44,357

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir in traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products
TABLEAU 10A. Production et écoulement des expéditions de lingots et de laminages d'acier

	Production	Imports — Importations	All shipments — Total (1) — Des expéditions	Shipments for further processing (1) — Expéditions pour traitement ultérieur (1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
<u>Year to date — Total cumulatif</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	288,642	38,591	283,328	174,539	108,789
For forging and piercing — Pour forgeage et perforation	119,010	—	107,840	...	107,840
Rails	135,627	—	126,372	...	126,372
Wire rods — Fils machine	259,212	—	259,953	1,626	258,327
Structural shapes — Profilés de charpente:					
Heavy — Lourds	230,577	—	225,939	...	225,939
Bar-sized shapes — De la grosseur d'une barre	60,904	—	54,789	...	54,789
Concrete reinforcing bars — Barres d'armature ou ronds à béton	290,542	—	290,914	361	290,553
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	37,704	—	50,553	8,223	233,893
Other — Autres	213,004	—	191,563		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	5,263	—	4,904	...	4,904
Tie plates — Selles d'appui	36,572	—	36,375	10	36,365
Track spikes — Crampons de traverses de chemin de fer	6,108	—	6,093	...	6,093
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	419,195	—	436,557	5,837	430,720
Hot rolled sheets — Tôles laminées à chaud	555,048	—	593,707	54,524	539,183
Hot rolled strip — Feuillard laminé à chaud	155,521	—	134,850	348	134,502
Hot rolled products — Total — Produits laminés à chaud	2,812,929	38,591	2,803,737	245,468	2,558,269
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	26,894	—	28,079	...	28,079
Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard laminés à froid autres laminés à froid et revêtus	714,870	—	726,853	13,802	713,051
Galvanized sheets — Tôles galvanisées	268,125	—	262,564	1,568	260,996
Cold rolled and coated — Total — Laminés à froid et revêtus	1,009,889	—	1,017,496	15,370	1,002,126
Carbon steel — Total — Acier au carbone	3,822,818	38,591	3,821,233	260,838	3,560,395
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	31,897	—	32,503	...	32,503
Alloy plates — Plaques d'alliage	49,925	—	48,888	...	48,888
Other hot rolled bars including structurals — Autres Barres laminées à chaud y compris les barres de charpente	105,186	—	93,459	139	93,320
Cold finished bars — Barres étirées à froid	2,025	—	2,073	...	2,073
Wire rods — Fils machine	4,582	—	4,625	43	4,582
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autre laminés à froid	34,085	943	43,992	60	43,932
Alloy steel — Total — Acier allié	227,700	943	225,540	242	225,298

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

TABLEAU 11. Écoulement des expéditions nettes(1) de produits de laminages d'acier

SDI No. — N ^o du SDI		May - 1971 - Mai		Year to date — Total cumulatif	
		Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
		net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
4a	Wholesalers and warehouses — Steel service centres — Commerce de gros et entrepôts — Centres de service de l'acier	90,068	1,928	420,368	11,062
b	Other warehouses — Autres entrepôts	10,641	16	50,386	59
6	Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	77,782	14,448	351,994	68,661
7	Agricultural — Agriculture	7,803	231	50,971	1,883
8a	Contractors — Building — Entrepreneurs — Construction	34,252	61	161,473	206
b	Construction — Public and utility — Travaux publics et service d'utilité publique	3,800	—	21,671	1
c	Structural steel fabricators — Fabricants d'acier de charpente	79,126	2,177	367,045	9,087
9	Containers — Conteneurs	53,477	31	249,283	124
10	Machinery and tools — Machines et outils	21,217	3,324	110,015	19,790
11	Wire, wire products and fasteners — Fil métallique, produits en fil métallique et attaches	44,252	1,038	229,219	4,985
12	Natural resources and extractive industries — Ressources naturelles et industries de l'extraction	14,536	2,562	66,492	9,458
13	Appliances and utensils — Appareils et ustensiles	16,681	166	77,448	551
14	Other metal stamping and pressing — Autres articles estampés et matricés	41,963	2,564	187,220	14,357
16	Railway operating — Matériel ferroviaire fixe	31,134	—	162,724	544
17	Railroad cars and locomotives — Matériel roulant de chemin de fer	8,163	879	39,989	3,990
18	Shipbuilding — Construction de navires	6,709	402	15,355	3,002
19	Pipes and tubes — Tuyaux et tubes	97,214	2,529	430,387	19,664
20	Miscellaneous — Divers	5,434	128	25,465	567
	Domestic shipments — Total — Expéditions au pays	644,252	32,484	3,017,505	167,991
5a	Export — For conversion and return — Exportation — Pour transformation et retour	—	2,686	—	4,671
b	Other export (for final sale) — Autres exportations (vente)				
i	USA — É.-U.	83,218	8,113	421,740	44,973
ii	Other countries — Autres pays	30,875	1,074	121,150	7,663
	Domestic and export shipments — Total — Expéditions et exportation au pays	758,345	44,357	3,560,395	225,298
	Production (for sale only) — Production (pour la vente seulement)	815,580	46,155	3,822,818	227,700
	Imports by producers (including conversion) — Importation par les fabricants (y compris la transformation)	5,782	542	38,591	943

(1) Compiled by principal consuming industries according to the "Steel Distribution Index", revised January 1964. — Compilé par les principales industries de consommation d'après le Steel Distribution Index révisé en janvier 1964.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

May 1971

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machine	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
					net tons of 2,000 pounds				
4a	Wholesalers and warehouses — Steel service centres.	3	457	—	8,815	3,383	17,315	8,325	20
b	Other warehouses	122	83	—	1,346	274	2,605	566	6
6	Automotive and aircraft industries	2,814	—	—	244	24	20	19,404	—
7	Agricultural	—	—	—	272	424	—	1,713	—
8a	Contractors — Building	—	—	—	726	123	5,662	206	—
b	Construction — Public and utility	—	—	—	615	10	2,402	271	—
c	Structural steel fabricators	35	48	1,073	23,907	3,829	21,296	6,971	2
9	Containers	—	—	—	—	—	—	—	—
10	Machinery and tools	46	904	1,056	1,431	171	189	2,566	—
11	Wire, wire products and fasteners	433	—	34,065	—	185	17	7,150	207
12	Natural resources and extractive industries.	294	1,940	—	796	60	517	9,789	157
13	Appliances and utensils	—	—	—	46	45	—	69	—
14	Other metal stamping and pressing	575	45	326	248	492	9,378	5,859	14
16	Railway operating	—	20,144	—	74	24	1	457	9,847
17	Railroad cars and locomotives	3,389	—	—	980	85	—	419	—
18	Shipbuilding	—	—	—	581	54	—	110	—
19	Pipes and tubes	14,418	—	71	—	—	—	—	—
20	Miscellaneous	3,342	—	440	70	35	277	234	170
	Total domestic shipments	25,471	23,621	37,031	40,151	9,218	59,679	64,109	10,423
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	12,145	853	7,772	8,005	1,856	279	4,922	227
ii	Other countries	11,083	—	2,642	—	—	20	416	—
	Total domestic and export shipments.	48,699	24,474	47,445	48,156	11,074	59,978	69,447	10,650
	Production (for sale only)	96,648	23,256	48,342	48,421	12,914	62,610	81,148	10,852
	Imports by producers (including conversion).	5,782	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Mai 1971

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus	Galvanized sheets — Tôles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
13,364	14,418	176	2,040	12,813	10,867	91,996	Commerce de gros et entrepôts - Centres de service de l'acier.	4a
905	2,500	196	—	1,892	162	10,657	Autres entrepôts	b
1,289	44,462	2,553	1,389	18,553	1,478	92,230	Industries de l'automobile et de l'aéronautique.	6
605	2,247	85	388	1,812	488	8,034	Agriculture	7
1,325	2,187	403	27	3,334	20,320	34,313	Entrepreneurs - Construction	8a
153	199	—	—	150	—	3,800	Construction -- Travaux publics et service d'utilité publique.	b
15,961	2,866	772	162	1,378	3,003	81,303	Fabricants d'acier de charpente	c
101	770	9	—	52,527	101	53,508	Contenants	9
5,256	2,732	853	874	7,430	1,033	24,541	Machines et outils	10
359	1,214	3	195	1,299	163	45,290	Fil métallique, produits en fil métallique et attaches.	11
1,911	641	73	12	505	403	17,098	Industries des ressources naturelles et de l'extraction.	12
1,049	2,074	91	179	10,973	2,321	16,847	Appareils et ustensiles	13
2,516	3,812	466	297	13,740	6,759	44,527	Autres articles estampés et matricés ...	14
344	203	—	6	—	34	31,134	Matériel ferroviaire fixe	16
3,599	471	—	15	—	84	9,042	Matériel roulant de chemin de fer	17
6,356	—	—	10	—	—	7,111	Construction de navires	18
40,226	12,647	23,998	30	7,178	1,175	99,743	Tuyaux et tubes	19
—	—	—	111	859	24	5,562	Divers	20
95,319	93,443	29,678	5,735	134,443	48,415	676,736	Total, expéditions au pays	
—	—	—	—	2,686	—	2,686	Exportation - Pour transformation et retour.	5a
12,863	17,524	878	218	16,191	7,598	91,331	Autres exportation (vente)	b
—	2,368	—	18	12,197	3,205	31,949	É.-U.	i
							Autres pays	ii
108,182	113,335	30,556	5,971	165,517	59,218	802,702	Total, expéditions et exportation au pays.	
105,134	115,468	33,525	5,837	157,066	60,514	861,735	Production (pour la vente seulement)	
	—	—	—	542	—	6,324	Importation par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Year to date

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machines	Structural shapes — Profils de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	93	900	—	46,342	15,754	77,877	43,408	285
b	Other warehouses	299	182	—	7,669	2,146	7,842	2,329	12
6	Automotive and aircraft industries	9,649	—	444	407	85	40	88,205	—
7	Agricultural	160	—	—	1,468	2,076	3	12,725	—
8a	Contractors — Building	—	—	—	4,553	326	33,822	1,829	3
b	Construction — Public and utility ,.....	—	166	—	3,898	298	11,400	584	—
c	Structural steel fabricators	128	309	5,427	115,953	23,167	99,026	30,199	25
9	Containers	—	—	—	—	—	—	8	—
10	Machinery and tools	50	999	6,437	6,736	1,117	347	14,347	—
11	Wire, wire products and fasteners	2,937	—	181,015	30	1,390	38	29,626	1,781
12	Natural resources and extractive industries.	2,363	4,683	33	3,548	241	3,135	45,113	1,349
13	Appliances and utensils	—	—	—	227	67	—	297	—
14	Other metal stamping and pressing	1,859	297	823	1,412	1,881	51,049	17,779	14
16	Railway operating	40	110,938	—	1,718	253	1	2,659	42,977
17	Railroad cars and locomotives	13,096	—	—	3,856	205	—	1,977	—
18	Shipbuilding	—	—	—	1,810	68	—	311	—
19	Pipes and tubes	82,484	—	147	—	—	—	173	—
20	Miscellaneous	16,958	—	1,718	108	153	910	1,223	277
	Total domestic shipments	130,116	118,474	196,044	199,735	49,227	285,490	292,792	46,723
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	71,642	7,898	48,639	26,204	5,562	4,319	31,371	596
ii	Other countries	47,374	—	18,226	—	—	744	3,050	43
	Total domestic and export shipments.	249,132	126,372	262,909	225,939	54,789	290,553	327,213	47,362
	Production (for sale only)	439,549	135,627	263,794	230,577	60,904	290,542	355,894	47,943
	Imports by producers (including conversion).	38,591	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12A. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Total cumulatif								
Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus	Galvanized sheets — Tôles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
59,986	62,887	1,088	9,678	66,060	47,072	431,430	Commerce de gros et entrepôts — Centres de service de l'acier.	4a
5,921	13,932	492	—	8,458	1,163	50,445	Autres entrepôts	b
5,876	199,625	13,295	7,922	85,708	9,399	420,655	Industries de l'automobile et de l'aéronautique.	6
5,046	17,597	861	3,428	7,994	1,496	52,854	Agriculture	7
5,967	11,728	2,112	111	12,686	88,542	161,679	Entrepreneurs — Construction	8a
1,142	3,421	—	—	763	—	21,672	Construction — Travaux publics et service d'utilité publique.	b
71,839	12,420	3,548	413	3,200	10,478	376,132	Fabricants d'acier de charpente	c
823	3,565	504	—	243,838	669	249,407	Contenants	9
27,144	17,061	3,550	4,167	41,363	6,487	129,805	Machines et outils	10
2,129	7,203	143	913	6,152	847	234,204	Fil métallique, produits en fil métallique et attachés.	11
8,473	3,051	73	96	2,590	1,202	75,950	Industries des ressources naturelles et de l'extraction.	12
3,143	10,614	527	794	51,799	10,531	77,999	Appareils et ustensiles	13
14,343	18,040	1,972	1,171	61,834	29,103	201,577	Autres articles estampés et matricés ...	14
3,777	636	—	106	41	122	163,268	Matériel ferroviaire fixe	16
21,453	2,843	—	23	2	524	43,979	Matériel roulant de chemin de fer	17
15,862	290	—	16	—	—	18,357	Construction de navires	18
160,861	69,086	103,446	61	30,939	2,854	450,051	Tuyaux et tubes	19
164	—	—	279	4,070	172	26,032	Divers	20
413,949	453,999	131,611	29,178	627,497	210,661	3,185,496	Total, expéditions au pays	
—	—	—	—	4,671	—	4,671	Exportation — Pour transformation et retour.	5a
65,659	85,731	2,891	768	78,733	36,700	466,713	Autres exportation (vente)	b
—	2,996	—	206	42,539	13,635	128,813	É.-U.	i
							Autres pays	ii
479,608	542,726	134,502	30,152	753,440	260,996	3,785,693	Total, expéditions et exportation au pays.	
469,120	558,591	155,521	28,919	745,412	268,125	4,050,518	Production (pour la vente seulement)	
—	—	—	—	943	—	39,534	Importations par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

CATALOGUE No.

41-001

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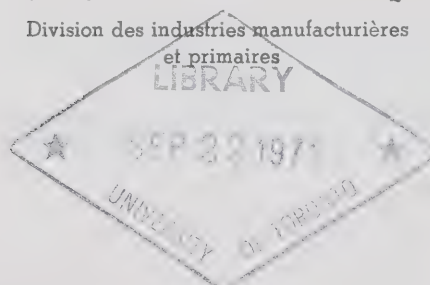
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SYMBOLS

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- nil or zero.
- amount too small to be expressed.
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- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

Note: The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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- x confidentiel en vertu des dispositions de la Loi sur la statistique relatives au secret.

Nota: Les termes expéditions, expéditions nettes, utilisés dans cette publication, se rapportent aux expéditions des producteurs.

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TABLE 1. Pig Iron Capacity, January 1, 1971

TABLEAU 1. Capacité de fonte en gueuses, 1^{er} janvier 1971

	In blast or in use — En activité		Banked, blown out or idle — Vide, hors feu ou chômant	
	Furnaces — Fours	Annual capacity — Capacité annuelle	Furnaces — Fours	Annual capacity — Capacité annuelle
	No. — nomb.	net tons — tonnes nettes	No. — nomb.	net tons — tonnes nettes
Blast furnaces — Hauts fourneaux	15	10,625,000	1	150,000
Electric furnaces — Fours électriques	11	710,000	—	—
Total	26	11,335,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

TABLEAU 2. Charges des hauts fourneaux de fer(1)

	June — 1971 — Juin	Year to date — Total cumulatif
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Crude iron ore — Minerai de fer brut</u>		
From Canadian mines — Des mines canadiennes	12,646	89,464
From foreign mines — Des mines étrangères	2,186	198,290
Pyrite cinder — Cendre de pyrite	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.) — Minerai de fer sinter, bouletté, etc.)</u>		
From Canadian mines — Des mines canadiennes	812,772	4,268,169
From foreign mines — Des mines étrangères	152,596	953,500
From own processing — De propre traitement	102,649	595,960
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.)	15,947	93,281
Scrap iron and steel — Ferraille de fer et d'acier	12,746	75,160
Limestone — Pierre calcaire	33,893	211,746
Dolomite — Dolomie	38,075	227,653
Coke	377,283	2,155,820

(1) Does not include charges into furnaces used in the smelting of titanium ores. — Ne comprend pas les charges des fours utilisées pour l'affinage des minerais de titane.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.). — Inclus avec les scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

TABEAU 3. Production et expéditions de fonte en gueuses et de ferro-alliages

	1970 ^r		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>June — Juin</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	700,392	2,021	707,649	3,829
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	56,150	58,604	47,416	86,262
Malleable — Malléable	—	14,299	(3)	(3)
Pig iron — Total — Fonte en gueuses	756,542	74,924	755,065	90,091
Ferro-alloys — Ferro-alliages	19,689	23,254	21,226	18,323
Stocks of pig iron on hand at end of month — Stocks de fonte en gueuses à la fin du mois	308,437		268,598	
<u>Year to date — Total cumulatif</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	4,272,999	29,827	3,814,844	22,900
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	356,406	257,115	412,201	336,693
Malleable — Malléable	28,948	72,827	(3)	(3)
Pig iron — Total — Fonte en gueuses	4,658,353	359,769	4,227,045	359,593
Ferro-alloys — Ferro-alliages	101,636	110,194	108,627	102,801

(1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores. — Inclus les produits ferreux obtenus lors de l'affinage des minerais de titane.

TABLE 4. Steel Furnace Capacity, January 1, 1971

TABEAU 4. Capacité des fours d'acier, 1^{er} janvier 1971

	Annual capacity — Capacité annuelle
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres
<u>Ingots — Lingots</u>	
Basic open hearth — Four à sole, marche basique	6,970,000
Electric — Four électrique	2,294,450
Basic oxygen furnace — Four à oxygène, marche basique	4,400,000
Ingots — Total — Lingots	13,664,450
Steel castings — Moulages d'acier	418,925
Ingots and castings — Total — Lingots et moulages	14,083,375

TABLE 5. Pig Iron and Scrap Charged to Steel Furnaces

TABLEAU 5. Charges de fonte en gueuses et de ferraille dans les fours d'acier

	June - Juin		Year to date - Total cumulatif	
	1970	1971	1970	1971
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
Pig iron - Fonte en gueuses	687,835	688,660	4,147,091	3,816,402
Scrap - Ferraille:				
Own make - De propre fabrication	296,159	318,044	1,800,007	1,880,252
Purchased - Achetée	189,896	241,066	1,167,640	1,287,283
Pig iron and scrap - Total - Fonte en gueuses et ferraille	1,173,890	1,247,770	7,114,738	6,983,937

TABLE 6. Production and Shipments of Steel Ingots and Castings

TABLEAU 6. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
June - Juin				
Steel ingots (both carbon and alloy, and including continuous cast steel) - Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)				
Basic open hearth - Four à sole, marche basique	874,888	14,726	912,727	12,790
Electric - Four électrique	142,399	28,701	152,148	36,199
Basic oxygen furnace - Four à oxygène, marche basique ...	(2)	(2)	(2)	(2)
Steel ingots - Total - Lingots d'acier	1,017,287	43,427	1,064,875	48,989
Continuous cast steel included in above - Moulages d'acier de coulée continue déclarés ci-dessus	129,962	x	122,233	x
Alloy steel ingots included in above - Lingots d'acier allié déclarés ci-dessus	88,225	x	91,045	x
Steel castings (both carbon and alloy) - Moulages d'acier (acier au carbone et acier allié)				
Basic open hearth - Four à sole, marche basique	-	-	-	-
Electric - Four électrique	17,091	15,025	19,803	19,807
Basic oxygen furnace - Four à oxygène, marche basique ...	-	-	-	-
Steel castings - Total - Moulages d'acier	17,091	15,025	19,803	19,807
Alloy steel castings included in above - Moulages d'acier allié déclarés ci-dessus				
High alloy, except manganese, and abrasion resistant - Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	736	501	772	516
Manganese and abrasive resistant - Acier au manganèse et alliage résistant à l'abrasion	2,198	2,080	2,691	2,888
All other alloys - Tous autres alliages	974	979	895	897
Alloy castings - Total - Moulages d'acier allié	3,908	3,560	4,358	4,301

(1) Includes amounts for sale and for own use. - Inclus les quantités fabriquées pour vente et pour usage à l'usine. (2) Included with "Basic open hearth". - Inclus avec les moulages de "Four à sole, marche basique". (3) Included with "Electric". - Inclus avec "Four électrique".

TABLE 6A. Production and Shipments of Steel Ingots and Castings
TABLEAU 6A. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>Year to date — Total cumulatif</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth — Four à sole, marche basique	5,370,223	81,106	5,144,876	105,436
Electric — Four électrique	842,744	151,796	861,480	151,458
Basic oxygen furnace — Four à oxygène, marche basique	(2)	(2)	(2)	(2)
Steel ingots — Total — Lingots d'acier	6,212,967	232,902	6,006,356	256,894
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus	731,891	x	733,628	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	495,824	x	534,050	x
<u>Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth — Four à sole, marche basique	(3)	—	(3)	(3)
Electric — Four électrique	95,340	90,668	112,225	107,914
Basic oxygen furnace — Four à oxygène, marche basique	—	—	—	—
Steel castings — Total — Moulages d'acier	95,340	90,668	112,225	107,914
<u>Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistants à l'abrasion	4,342	2,734	4,251	2,639
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion	13,463	14,006	17,582	18,179
All other alloys — Tous autres alliages	4,636	4,877	5,361	5,620
Alloy castings — Total — Moulages d'acier allié	22,441	21,617	27,194	26,438

See footnote(s) at end of Table 6. — Voir renvoi(s) à la fin du Tableau 6.

TABLE 7. Disposition of Shipments(1) of Steel Castings
TABLEAU 7. Écoulement des expéditions(1) de moulages d'acier

	June — 1971 — Juin		Year to date — Total cumulatif	
	Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
Wholesalers and warehouses — Commerce de gros et entrepôts	—	—	—	—
Export — Exportation	2,488	279	11,781	1,697
Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	565	—	2,654	—
Agricultural(2) — Agriculture(2)	56	70	411	163
Construction(3)	59	316	276	2,136
Machinery and tools — Machines et outils	1,995	574	11,173	3,629
Natural resources and extractive industries(4) — Industries des ressources naturelles et de l'extraction(4)	1,019	2,170	7,702	11,126
Railway operating — Matériel ferroviaire fixe	5,936	286	29,843	1,801
Railroad cars and locomotives — Matériel roulant de chemin de fer	2,906	294	14,778	3,671
Shipbuilding — Construction de navires	12	5	146	38
Miscellaneous(5) — Divers(5)	470	307	2,712	2,177
Total	15,506	4,301	81,476	26,438

(1) (a) Compiled by principal consuming industries according to the Steel Distribution Index revised January 1964. — Compilé par les principales industries de consommation, d'après le Steel Distribution Index révisé en janvier 1964. (b) Includes producers' own-make castings allocated to appropriate consuming industry. — Inclut les moulages d'acier de propre fabrication des fabricants affectés à l'industrie de consommation appropriée. (2) Including implement and equipment manufacturers. — Y compris les fabricants d'instruments et de matériel agricoles. (3) Including public works, public utilities and structural steel fabricators. — Y compris les travaux publics, les services d'utilité publique et les fabricants d'acier de charpente. (4) Including mining, lumbering, quarrying, oil and gas, including refineries, etc. — Y compris l'industrie minière, l'exploitation du bois-d'oeuvre, les carrières, le pétrole et le gaz, et les raffineries, etc. (5) Including grinding balls and railway car wheels. — Y compris les broyeurs à boulets et les roues des voitures et wagons de chemin de fer.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

TABLERAU 8. Production mensuelle de fonte en gueuses, de ferro-alliages et de lingots et moulages d'acier

	Pig iron — Fonte en gueuses	Ferro- alloys — Ferro- alliages	Steel — Acier		
			Ingots — Lingots	Castings — Moulages	Total steel — Acier
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>1970</u>					
January — Janvier	788,315	15,124	1,042,829	14,136	1,056,965
February — Février	721,075	15,534	973,253	14,973	988,226
March — Mars	815,211	19,017	1,078,812	15,718	1,094,530
April — Avril	783,074	16,645	1,037,231	16,911	1,054,142
May — Mai	794,136	15,627	1,063,555	16,511	1,080,066
June — Juin	756,542	19,689	1,017,287	17,091	1,034,378
July — Juillet	770,733	17,840	986,555	11,216	997,771
August — Août	738,009	15,788	969,174	14,709	983,883
September — Septembre	703,728	19,827	956,946	17,328	974,274
October — Octobre	741,942	17,850	1,039,287	17,479	1,056,766
November — Novembre	728,891	18,122	1,006,724	17,952	1,024,676
December — Décembre	744,299	18,493	982,759	17,696	1,000,455
Total	9,085,955	209,556	12,154,412	191,720	12,346,132
<u>1971</u>					
January — Janvier	697,562	16,025	993,706	17,499	1,011,205
February — Février	566,553	15,884	865,131	17,554	882,685
March — Mars	663,693	19,973	995,183	19,544	1,014,727
April — Avril	737,987	17,044	1,011,212	18,757	1,029,969
May — Mai	806,185	18,475	1,076,249	19,068	1,095,317
June — Juin	755,065	21,226	1,064,875	19,803	1,084,678
July — Juillet					
August — Août					
September — Septembre					
October — Octobre					
November — Novembre					
December — Décembre					
Total					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

TABEAU 9. Production et expéditions de tuyaux, tubes et raccords en acier

	1970		1971	
	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>June — Juin</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	26,156	22,990	30,538	25,412
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	47,747	35,206	63,572	63,412
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	21,501	19,314	21,046	21,817
Total	95,404	77,510	115,156	110,641
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	106	180	108	187
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	749	828	725	911
Total	855	1,008	833	1,098
<u>Year to date — Total cumulatif</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	161,850	133,642	156,146	132,843
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	280,458	252,850	266,691	249,496
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	133,269	124,843	132,090	122,613
Total	575,577	511,335	554,927	504,952
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	569	846	591	839
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	3,771	4,164	4,166	4,800
Total	4,340	5,010	4,757	5,639

(1) Included with "Other". — Inclus avec "Autres".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products
TABLEAU 10. Production et écoulement des expéditions de produits de lingots et laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
June — 1971 — Juin					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	57,759	16,403	48,732	43,000	5,732
For forging and piercing — Pour forgeage et perforation	29,095	—	20,150	...	20,150
Rails	28,774	—	31,530	...	31,530
Wire rods — Fils machine	54,492	—	54,492	655	53,837
Structural shapes — Profilés de charpente:					
Heavy — Lourds	53,199	—	51,953	...	51,953
Bar-sized shapes — De la grosseur d'une barre	18,583	—	18,445	...	18,445
Concrete reinforcing bars — Barres d'armature ou ronds à béton	62,879	—	70,594	54	70,540
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	6,852	—	14,361	1,593	56,283
Other — Autres	48,224	—	43,515		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	—	—	62	...	62
Tie plates — Selles d'appui	8,725	—	8,827	...	8,827
Track spikes — Crampons de traverses de chemin de fer	1,022	—	1,015	...	1,015
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	90,194	—	91,478	747	90,731
Hot rolled sheets — Tôles laminées à chaud	123,829	—	124,664	3,510	121,154
Hot rolled strip — Feuillard laminé à chaud	36,869	—	33,560	150	33,410
Hot rolled products — Total — Produits laminés à chaud	620,496	16,403	613,378	49,709	563,669
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	5,470	—	6,020	...	6,020
Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard laminés à froid, autres laminés à froid et revêtus	171,992	—	173,297	2,926	170,371
Galvanized sheets — Tôles galvanisées	63,676	—	67,462	425	67,037
Cold rolled and coated — Total — Laminés à froid et revêtus	241,138	—	246,779	3,351	243,428
Carbon steel — Total — Acier au carbone	861,634	16,403	860,157	53,060	807,097
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	2,997	—	3,828	...	3,828
Alloy plates — Plaques d'alliage	8,854	—	8,369	...	8,369
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	20,594	—	27,680	33	27,647
Cold finished bars — Barres étirées à froid	316	—	361	...	361
Wire rods — Fils machine	1,054	—	1,067	13	1,054
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autre laminés à froid	7,647	—	8,556	32	8,524
Alloy steel — Total — Acier allié	41,462	—	49,861	78	49,783

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir in traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

TABLEAU 10A. Production et écoulement des expéditions de lingots et de laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
<u>Year to date — Total cumulatif</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	346,401	54,994	332,060	217,539	114,521
For forging and piercing — Pour forgeage et perforation	148,105	—	127,990	...	127,990
Rails	164,401	—	157,902	...	157,902
Wire rods — Fils machine	313,704	—	314,445	2,281	312,164
Structural shapes — Profilés de charpente:					
Heavy — Lourds	283,776	—	277,892	...	277,892
Bar-sized shapes — De la grosseur d'une barre	79,487	—	73,234	...	73,234
Concrete reinforcing bars — Barres d'armature ou ronds à béton	353,421	—	361,508	415	361,093
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	44,556	—	64,914	9,816	290,176
Other — Autres	261,228	—	235,078		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	5,263	—	4,966	...	4,966
Tie plates — Selles d'appui	45,297	—	45,202	10	45,192
Track spikes — Crampons de traverses de chemin de fer	7,130	—	7,108	...	7,108
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	509,389	—	528,035	6,584	521,451
Hot rolled sheets — Tôles laminées à chaud	678,877	—	718,371	58,034	660,337
Hot rolled strip — Feuillard laminé à chaud	192,390	—	168,410	498	167,912
Hot rolled products — Total — Produits laminés à chaud	3,433,425	54,994	3,417,115	295,177	3,121,938
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	32,364	—	34,099	...	34,099
Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard laminés à froid autres laminés à froid et revêtus	886,862	—	900,150	16,728	883,422
Galvanized sheets — Tôles galvanisées	331,801	—	330,026	1,993	328,033
Cold rolled and coated — Total — Laminés à froid et revêtus	1,251,027	—	1,264,275	18,721	1,245,554
Carbon steel — Total — Acier au carbone	4,684,452	54,994	4,681,390	313,898	4,367,492
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	34,894	—	36,331	...	36,331
Alloy plates — Plaques d'alliage	58,779	—	57,257	...	57,257
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	125,780	—	121,139	172	120,967
Cold finished bars — Barres étirées à froid	2,341	—	2,434	...	2,434
Wire rods — Fils machine	5,636	—	5,692	56	5,636
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autre laminés à froid	41,732	943	52,548	92	52,456
Alloy steel — Total — Acier allié	269,162	943	275,401	320	275,081

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

TABLEAU 11. Écoulement des expéditions nettes(1) de produits de laminages d'acier

SDI No. — N° du SDI		June — 1971 — Juin		Year to date — Total cumulatif	
		Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
		net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
4a	Wholesalers and warehouses — Steel service centres — Commerce de gros et entrepôts — Centres de service de l'acier	104,212	2,537	524,580	13,599
b	Other warehouses — Autres entrepôts	12,291	27	62,677	86
6	Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	82,520	12,946	434,514	81,607
7	Agricultural — Agriculture	5,443	324	56,414	2,207
8a	Contractors — Building — Entrepreneurs — Construction	46,713	162	208,186	368
b	Construction — Public and utility — Travaux publics et service d'utilité publique	4,320	58	25,991	59
c	Structural steel fabricators — Fabricants d'acier de charpente	97,199	2,149	464,244	11,236
9	Containers — Conteneurs	46,092	1	295,375	125
10	Machinery and tools — Machines et outils	23,800	4,285	133,815	24,075
11	Wire, wire products and fasteners — Fil métallique, produits en fil métallique et attaches	51,934	1,092	281,153	6,077
12	Natural resources and extractive industries — Ressources naturelles et industries de l'extraction	13,299	1,498	79,791	10,956
13	Appliances and utensils — Appareils et ustensiles	18,153	131	95,601	682
14	Other metal stamping and pressing — Autres articles estampés et matricés	50,010	1,823	237,230	16,180
16	Railway operating — Matériel ferroviaire fixe	35,575	15	198,299	559
17	Railroad cars and locomotives — Matériel roulant de chemin de fer	5,792	373	45,781	4,363
18	Shipbuilding — Construction de navires	9,901	70	25,256	3,072
19	Pipes and tubes — Tuyaux et tubes	101,117	2,124	531,504	21,788
20	Miscellaneous — Divers	5,417	41	30,882	608
	Domestic shipments — Total — Expéditions au pays	713,788	29,656	3,731,293	197,647
5a	Export — For conversion and return — Exportation — Pour transformation et retour	—	—	—	4,671
b	Other export (for final sale) — Autres exportations (vente)				
i	USA — É.-U.	81,035	7,561	502,775	52,534
ii	Other countries — Autres pays	12,274	12,566	133,424	20,229
	Domestic and export shipments — Total — Expéditions et exportation au pays	807,097	49,783	4,367,492	275,081
	Production (for sale only) — Production (pour la vente seulement)	861,634	41,462	4,684,452	269,162
	Imports by producers (including conversion) — Importation par les fabricants (y compris la transformation)	16,403	—	54,994	943

(1) Compiled by principal consuming industries according to the "Steel Distribution Index", revised January 1964. — Compilé par les principales industries de consommation d'après le Steel Distribution Index révisé en janvier 1964.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

June 1971

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machine	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	50	159	—	8,423	4,281	20,961	13,126	78
b	Other warehouses	231	236	—	2,393	491	1,236	687	4
6	Automotive and aircraft industries	1,340	—	21	52	—	—	17,692	—
7	Agricultural	—	—	—	131	341	—	1,875	—
8a	Contractors — Building	—	—	—	1,480	397	7,148	1,024	—
b	Construction — Public and utility	8	—	—	336	—	2,175	256	—
c	Structural steel fabricators	68	54	720	29,204	8,606	24,133	8,177	4
9	Containers	—	—	—	—	—	—	—	—
10	Machinery and tools	—	40	888	1,180	531	163	3,245	—
11	Wire, wire products and fasteners	928	—	42,104	—	346	21	6,159	400
12	Natural resources and extractive industries.	193	597	—	459	72	795	8,717	146
13	Appliances and utensils	—	—	—	11	21	—	110	—
14	Other metal stamping and pressing	238	—	221	130	698	13,261	3,804	—
16	Railway operating	11	25,140	—	302	29	—	565	9,024
17	Railroad cars and locomotives	955	—	—	1,059	21	—	391	—
18	Shipbuilding	—	13	—	1,684	31	—	572	—
19	Pipes and tubes	15,219	—	34	—	—	54	75	—
20	Miscellaneous	3,309	—	197	27	45	234	416	7
	Total domestic shipments	22,550	26,239	44,185	46,871	15,910	70,181	66,891	9,663
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	7,160	5,291	7,606	5,082	2,535	245	5,253	241
ii	Other countries	—	—	3,100	—	—	114	11,786	—
	Total domestic and export shipments.	29,710	31,530	54,891	51,953	18,445	70,540	83,930	9,904
	Production (for sale only)	89,851	28,774	55,546	53,199	18,583	62,879	75,670	9,747
	Imports by producers (including conversion).	16,403	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Juin 1971

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Toles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus	Galvanized sheets — Toles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
11,809	16,147	200	2,447	17,820	11,248	106,749	Commerce de gros et entrepôts - Centres de service de l'acier.	4a
716	3,441	183	—	2,332	368	12,318	Autres entrepôts	b
1,244	48,645	3,060	1,441	19,848	2,123	95,466	Industries de l'automobile et de l'aéronautique.	6
288	1,033	118	331	1,482	168	5,767	Agriculture	7
1,860	4,206	495	14	4,715	25,536	46,875	Entrepreneurs - Construction	8a
410	1,001	—	—	192	—	4,378	Construction - Travaux publics et service d'utilité publique.	b
16,223	4,555	1,743	31	1,758	4,072	99,348	Fabricants d'acier de charpente	c
38	842	32	—	44,991	190	46,093	Contenants	9
3,934	4,495	714	959	10,339	1,597	28,085	Machines et outils	10
345	1,248	86	183	1,051	155	53,026	Fil métallique, produits en fil métallique et attaches.	11
1,856	459	—	21	909	573	14,797	Industries des ressources naturelles et de l'extraction.	12
384	1,940	86	124	13,301	2,307	18,284	Appareils et ustensiles	13
1,961	4,533	329	294	19,812	6,552	51,833	Autres articles estampés et matricés ...	14
458	43	—	—	4	14	35,590	Matériel ferroviaire fixe	16
2,275	1,316	—	3	—	145	6,165	Matériel roulant de chemin de fer	17
7,628	43	—	—	—	—	9,971	Construction de navires	18
34,758	14,081	25,425	12	13,032	551	103,241	Tuyaux et tubes	19
44	43	—	154	963	19	5,458	Divers	20
86,231	108,071	32,471	6,014	152,549	55,618	743,444	Total, expéditions au pays	
—	—	—	—	—	—	—	Exportation - Pour transformation et retour.	5a
12,574	13,676	939	361	16,779	10,854	88,596	Autres exportation (vente)	b
295	59	—	6	8,915	565	24,840	É.-U.	i
							Autres pays	ii
99,100	121,806	33,410	6,381	178,243	67,037	856,880	Total, expéditions et exportation au pays.	
99,048	124,481	36,869	5,786	178,987	63,676	903,096	Production (pour la vente seulement)	
—	—	—	—	—	—	16,403	Importation par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Year to date

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machines	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	143	1,059	—	54,765	20,035	98,838	56,534	363
b	Other warehouses	530	418	—	10,062	2,637	9,078	3,016	16
6	Automotive and aircraft industries	10,989	—	465	459	85	40	105,897	—
7	Agricultural	160	—	—	1,599	2,417	3	14,600	—
8a	Contractors — Building	—	—	—	6,033	723	40,970	2,853	3
b	Construction — Public and utility	8	166	—	4,234	298	13,575	840	—
c	Structural steel fabricators	196	363	6,147	145,157	31,773	123,159	38,376	29
9	Containers	—	—	—	—	—	—	8	—
10	Machinery and tools	50	1,039	7,325	7,916	1,648	510	17,592	—
11	Wire, wire products and fasteners	3,865	—	223,119	30	1,736	59	35,785	2,181
12	Natural resources and extractive industries.	2,556	5,280	33	4,007	313	3,930	53,830	1,495
13	Appliances and utensils	—	—	—	238	88	—	407	—
14	Other metal stamping and pressing	2,097	297	1,044	1,542	2,579	64,310	21,583	14
16	Railway operating	51	136,078	—	2,020	282	1	3,224	52,001
17	Railroad cars and locomotives	14,051	—	—	4,915	226	—	2,368	—
18	Shipbuilding	—	13	—	3,494	99	—	883	—
19	Pipes and tubes	97,703	—	181	—	—	54	248	—
20	Miscellaneous	20,267	—	1,915	135	198	1,144	1,639	284
	Total domestic shipments	152,666	144,713	240,229	246,606	65,137	355,671	359,683	56,386
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	78,802	13,189	56,245	31,286	8,097	4,564	36,624	837
ii	Other countries	47,374	—	21,326	—	—	858	14,836	43
	Total domestic and export shipments.	278,842	157,902	317,800	277,892	73,234	361,093	411,143	57,266
	Production (for sale only)	529,400	164,401	319,340	283,776	79,487	353,421	431,564	57,690
	Imports by producers (including conversion).	54,994	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12A. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Total cumulatif

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus	Galvanized sheets — Tôles galvanisées	Total		Nº du SDI
tonnes nettes de 2,000 livres								
71,795	79,034	1,288	12,125	83,880	58,320	538,179	Commerce de gros et entrepôts — Centres de service de l'acier.	4a
6,637	17,373	675	—	10,790	1,531	62,763	Autres entrepôts	b
7,120	248,270	16,355	9,363	105,556	11,522	516,121	Industries de l'automobile et de l'aéronautique.	6
5,334	18,630	979	3,759	9,476	1,664	58,621	Agriculture	7
7,827	15,934	2,607	125	17,401	114,078	208,554	Entrepreneurs — Construction	8a
1,552	4,422	—	—	955	—	26,050	Construction — Travaux publics et service d'utilité publique.	b
88,062	16,975	5,291	444	4,958	14,550	475,480	Fabricants d'acier de charpente	c
861	4,407	536	—	288,829	859	295,500	Contenants	9
31,078	21,556	4,264	5,126	51,702	8,084	157,890	Machines et outils	10
2,474	8,451	229	1,096	7,203	1,002	287,230	Fil métallique, produits en fil métallique et attachés.	11
10,329	3,510	73	117	3,499	1,775	90,747	Industries des ressources naturelles et de l'extraction.	12
3,527	12,554	613	918	65,100	12,838	96,283	Appareils et ustensiles	13
16,304	22,573	2,301	1,465	81,646	35,655	253,410	Autres articles estampés et matricés ...	14
4,235	679	—	106	45	136	198,858	Matériel ferroviaire fixe	16
23,728	4,159	—	26	2	669	50,144	Matériel roulant de chemin de fer	17
23,490	333	—	16	—	—	28,328	Construction de navires	18
195,619	83,167	128,871	73	43,971	3,405	553,292	Tuyaux et tubes	19
208	43	—	433	5,033	191	31,490	Divers	20
500,180	562,070	164,082	35,192	780,046	266,279	3,928,940	Total, expéditions au pays	
—	—	—	—	4,671	—	4,671	Exportation — Pour transformation et retour.	5a
78,233 295	99,407 3,055	3,830 —	1,129 212	95,512 51,454	47,554 14,200	555,309 153,653	Autres exportation (vente) É.-U. Autres pays	b i ii
578,708	664,532	167,912	36,533	931,683	328,033	4,642,573	Total, expéditions et exportation au pays.	
568,168	683,072	192,390	34,705	924,399	331,801	4,953,614	Production (pour la vente seulement)	
—	—	—	—	943	—	55,937	Importations par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

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PRIMARY IRON AND STEEL

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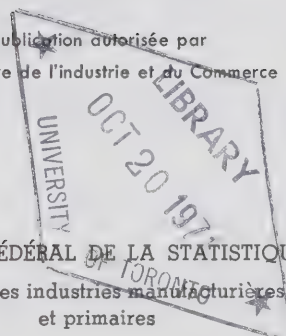
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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

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- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

Note: The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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Nota: Les termes expéditions, expéditions nettes, utilisés dans cette publication, se rapportent aux expéditions des producteurs.

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TABLE 1. Pig Iron Capacity, January 1, 1971

TABLEAU 1. Capacité de fonte en gueuses, 1^{er} janvier 1971

	In blast or in use — En activité		Banked, blown out or idle — Vide, hors feu ou chômant	
	Furnaces — Fours	Annual capacity — Capacité annuelle	Furnaces — Fours	Annual capacity — Capacité annuelle
	No. — nomb.	net tons — tonnes nettes	No. — nomb.	net tons — tonnes nettes
Blast furnaces — Hauts fourneaux	15	10,625,000	1	150,000
Electric furnaces — Fours électriques	11	710,000	—	—
Total	26	11,335,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

TABLEAU 2. Charges des hauts fourneaux de fer(1)

	July — 1971 — Juillet	Year to date — Total cumulatif
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Crude iron ore — Minerai de fer brut</u>		
From Canadian mines — Des mines canadiennes	—	79,363(3)
From foreign mines — Des mines étrangères	5,755	214,146(3)
Pyrite cinder — Cendre de pyrite	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.) — Minerai de fer sinter, bouletté, etc.)</u>		
From Canadian mines — Des mines canadiennes	789,455	5,045,609(3)
From foreign mines — Des mines étrangères	159,811	1,113,311
From own processing — De propre traitement	100,200	696,160
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.)	16,636	109,917
Scrap iron and steel — Ferraille de fer et d'acier	11,911	87,071
Limestone — Pierre calcaire	31,959	243,705
Dolomite — Dolomie	30,368	258,021
Coke	356,320	2,512,140

(1) Does not include charges into furnaces used in the smelting of titanium ores. — Ne comprend pas les charges des fours utilisées pour l'affinage des minerais de titane.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.). — Inclus avec les scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.).

(3) Includes revisions for June 1971. — Inclus les chiffres rectifiés de juin 1971.

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

TABLEAU 3. Production et expéditions de fonte en gueuses et de ferro-alliages

	1970 ^r		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds ~ tonnes nettes de 2,000 livres			
<u>July — Juillet</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	703,768	3,852	682,366	3,905
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	66,965	89,011	43,905	57,326
Malleable — Malléable	(3)	(3)	(3)	(3)
Pig iron — Total — Fonte en gueuses	770,733	92,863	726,271	61,231
Ferro-alloys — Ferro-alliages	17,840	18,174	16,572	14,529
Stocks of pig iron on hand at end of month — Stocks de fonte en gueuses à la fin du mois	296,613		267,349	
<u>Year to date — Total cumulatif</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	4,976,767	33,679	4,497,210	26,805
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	452,319	418,953	456,106	394,019
Malleable — Malléable	(3)	(3)	(3)	(3)
Pig iron — Total — Fonte en gueuses	5,429,086	452,632	4,953,316	420,824
Ferro-alloys — Ferro-alliages	119,476	128,368	125,199	117,330

- (1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine.
 (2) Includes the re-melt iron product produced in connection with the smelting of titanium ores. — Inclus les produits ferreux obtenus lors de l'affinage des minerais de titane.
 (3) Included with "Foundry". — Inclus avec "La Fonderie".

TABLE 4. Steel Furnace Capacity, January 1, 1971

TABLEAU 4. Capacité des fours d'acier, 1^{er} janvier 1971

	Annual capacity — Capacité annuelle
net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Ingots — Lingots</u>	
Basic open hearth — Four à sole, marche basique	6,970,000
Electric — Four électrique	2,294,450
Basic oxygen furnace — Four à oxygène, marche basique	4,400,000
Ingots — Total — Lingots	13,664,450
Steel castings — Moulages d'acier	418,925
Ingots and castings — Total — Lingots et moulages	14,083,375

TABLE 5. Pig Iron and Scrap Charged to Steel Furnaces

TABEAU 5. Charges de fonte en gueuses et de ferraille dans les fours d'acier

	July - Juillet		Year to date - Total cumulatif	
	1970	1971	1970	1971
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
Pig iron - Fonte en gueuses	681,599	656,733	4,828,690	4,473,135
Scrap - Ferraille:				
Own make - De propre fabrication	282,430	280,273	2,082,437	2,160,525
Purchased - Achetée	172,792	200,052	1,340,432	1,487,335
Pig iron and scrap - Total - Fonte en gueuses et ferraille	1,136,821	1,137,058	8,251,559	8,120,995

TABLE 6. Production and Shipments of Steel Ingots and Castings

TABEAU 6. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made (1) - Tonnes fabriquées (1)	Tonnage shipped - Tonnes expédiées	Tonnage made (1) - Tonnes fabriquées (1)	Tonnage shipped - Tonnes expédiées
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
<u>July - Juillet</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) - Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth - Four à sole, marche basique	868,788	16,598	863,096	3,427
Electric - Four électrique	117,767	24,865	118,300	22,857
Basic oxygen furnace - Four à oxygène, marche basique ...	(2)	(2)	(2)	(2)
Steel ingots - Total - Lingots d'acier	986,555	41,463	981,396	26,284
Continuous cast steel included in above - Moulages d'acier de coulée continue déclarés ci-dessus	102,713	x	102,161	x
Alloy steel ingots included in above - Lingots d'acier allié déclarés ci-dessus	79,403	x	73,304	x
<u>Steel castings (both carbon and alloy) - Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth - Four à sole, marche basique	-	-	-	-
Electric - Four électrique	11,216	11,981	10,578	14,208
Basic oxygen furnace - Four à oxygène, marche basique ...	-	-	-	-
Steel castings - Total - Moulages d'acier	11,216	11,981	10,578	14,208
<u>Alloy steel castings included in above - Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese, and abrasion resistant - Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	519	405	651	385
Manganese and abrasive resistant - Acier au manganèse et alliage résistant à l'abrasion	1,885	1,839	1,860	1,999
All other alloys - Tous autres alliages	757	820	621	695
Alloy castings - Total - Moulages d'acier allié	3,161	3,064	3,132	3,079

(1) Includes amounts for sale and for own use. - Inclus les quantités fabriquées pour vente et pour usage à l'usine. (2) Included with "Basic open hearth". - Inclus avec les moulages de "Four à sole, marche basique". (3) Included with "Electric". - Inclus avec "Four électrique".

TABLE 6A. Production and Shipments of Steel Ingots and Castings
 TABLEAU 6A. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>Year to date — Total cumulatif</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth — Four à sole, marche basique	6,239,011	97,704	6,007,972	108,863
Electric — Four électrique	960,511	176,661	979,780	174,315
Basic oxygen furnace — Four à oxygène, marche basique	(2)	(2)	(2)	(2)
Steel ingots — Total — Lingots d'acier	7,199,522	274,365	6,987,752	283,178
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus	834,604	x	835,789	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	575,227	x	607,354	x
<u>Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth — Four à sole, marche basique	(3)	—	(3)	—
Electric — Four électrique	106,556	102,649	122,803	122,122
Basic oxygen furnace — Four à oxygène, marche basique	—	—	—	—
Steel castings — Total — Moulages d'acier	106,556	102,649	122,803	122,122
<u>Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistants à l'abrasion	4,861	3,139	4,902	3,024
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion	15,348	15,845	19,442	20,178
All other alloys — Tous autres alliages	5,393	5,697	5,982	6,315
Alloy castings — Total — Moulages d'acier allié	25,602	24,681	30,326	29,517

See footnote(s) at end of Table 6. — Voir renvoi(s) à la fin du Tableau 6.

TABLE 7. Disposition of Shipments(1) of Steel Castings
 TABLEAU 7. Écoulement des expéditions(1) de moulages d'acier

	July — 1971 — Juillet		Year to date — Total cumulatif	
	Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
Wholesalers and warehouses — Commerce de gros et entrepôts	—	—	—	—
Export — Exportation	2,507	128	14,288	1,825
Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	143	—	2,797	—
Agricultural(2) — Agriculture(2)	62	21	473	184
Construction(3)	40	303	316	2,439
Machinery and tools — Machines et outils	933	371	12,106	4,000
Natural resources and extractive industries(4) — Industries des ressources naturelles et de l'extraction(4)	963	1,745	8,665	12,871
Railway operating — Matériel ferroviaire fixe	5,062	177	34,905	1,978
Railroad cars and locomotives — Matériel roulant de chemin de fer	803	125	15,581	3,796
Shipbuilding — Construction de navires	10	1	156	39
Miscellaneous(5) — Divers(5)	606	208	3,318	2,385
Total	11,129	3,079	92,605	29,517

(1) (a) Compiled by principal consuming industries according to the Steel Distribution Index revised January 1964. — Compilé par les principales industries de consommation, d'après le Steel Distribution Index révisé en janvier 1964. (b) Includes producers' own-make castings allocated to appropriate consuming industry. — Inclus les moulages d'acier de propre fabrication des fabricants affectés à l'industrie de consommation appropriée. (2) Including implement and equipment manufacturers. — Y compris les fabricants d'instruments et de matériel agricoles. (3) Including public works, public utilities and structural steel fabricators. — Y compris les travaux publics, les services d'utilité publique et les fabricants d'acier de charpente. (4) Including mining, lumbering, quarrying, oil and gas, including refineries, etc. — Y compris l'industrie minière, l'exploitation du bois-d'oeuvre, les carrières, le pétrole et le gaz, et les raffineries, etc. (5) Including grinding balls and railway car wheels. — Y compris les broyeurs à boulets et les roues des voitures et wagons de chemin de fer.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

TABLEAU 8. Production mensuelle de fonte en gueuses, de ferro-alliages et de lingots et moulages d'acier

	Pig iron — Fonte en gueuses	Ferro- alloys — Ferro- alliages	Steel — Acier		
			Ingots — Lingots	Castings — Moulages	Total steel — Acier
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>1970</u>					
January — Janvier	788,315	15,124	1,042,829	14,136	1,056,965
February — Février	721,075	15,534	973,253	14,973	988,226
March — Mars	815,211	19,017	1,078,812	15,718	1,094,530
April — Avril	783,074	16,645	1,037,231	16,911	1,054,142
May — Mai	794,136	15,627	1,063,555	16,511	1,080,066
June — Juin	756,542	19,689	1,017,287	17,091	1,034,378
July — Juillet	770,733	17,840	986,555	11,216	997,771
August — Août	738,009	15,788	969,174	14,709	983,883
September — Septembre	703,728	19,827	956,946	17,328	974,274
October — Octobre	741,942	17,850	1,039,287	17,479	1,056,766
November — Novembre	728,891	18,122	1,006,724	17,952	1,024,676
December — Décembre	744,299	18,493	982,759	17,696	1,000,455
Total	9,085,955	209,556	12,154,412	191,720	12,346,132
<u>1971</u>					
January — Janvier	697,562	16,025	993,706	17,499	1,011,205
February — Février	566,553	15,884	865,131	17,554	882,685
March — Mars	663,693	19,973	995,183	19,544	1,014,727
April — Avril	737,987	17,044	1,011,212	18,757	1,029,969
May — Mai	806,185	18,475	1,076,249	19,068	1,095,317
June — Juin	755,065	21,226	1,064,875	19,803	1,084,678
July — Juillet	726,271	16,572	981,396	10,578	991,974
August — Août					
September — Septembre					
October — Octobre					
November — Novembre					
December — Décembre					
Total					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

TABLER 9. Production et expéditions de tuyaux, tubes et raccords en acier

	1970		1971	
	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>July — Juillet</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	20,146	22,568	26,819	19,379
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	42,820	39,829	47,190	48,371
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	14,686	16,252	13,176	15,187
Total	77,652	78,649	87,185	82,937
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	109	207	89	141
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	682	793	692	795
Total	791	1,000	781	936
<u>Year to date — Total cumulatif</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	181,996	156,210	182,965	152,222
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	323,278	292,679	313,881	297,867
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	147,955	141,095	145,266	137,800
Total	653,229	589,984	642,112	587,889
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	678	1,053	680	980
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	4,453	4,957	4,858	5,595
Total	5,131	6,010	5,538	6,575

(1) Included with "Other". — Inclus avec "Autres".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products
TABLEAU 10. Production et écoulement des expéditions de produits de lingots et laminages d'acier

	Production	Imports — Importations	All shipments — Total (1) — Des expéditions	Shipments for further processing (1) — Expéditions pour traitement ultérieur (1)	Net shipments — Expéditions nettes
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>July — 1971 — Juillet</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	41,736	43,988	48,453	37,241	11,212
For forging and piercing — Pour forgeage et perforation	15,618	—	17,241	...	17,241
Rails	14,437	—	11,881	...	11,881
Wire rods — Fils machine	40,221	—	39,403	218	39,185
Structural shapes — Profilés de charpente:					
Heavy — Lourds	47,971	—	48,260	...	48,260
Bar-sized shapes — De la grosseur d'une barre	4,392	—	7,595	...	7,595
Concrete reinforcing bars — Barres d'armature ou ronds à béton	58,107	—	57,945	...	57,945
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	4,570	—	6,784	800	32,894
Other — Autres	30,412	—	26,910		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	—	—	166	...	166
Tie plates — Selles d'appui	2,109	—	2,243	...	2,243
Track spikes — Crampons de traverses de chemin de fer	1,192	—	1,197	...	1,197
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	86,197	—	89,408	721	88,687
Hot rolled sheets — Tôles laminées à chaud	106,092	25,147	99,469	3,994	95,475
Hot rolled strip — Feuillard laminé à chaud	30,595	—	26,530	4	26,526
Hot rolled products — Total — Produits laminés à chaud	483,649	69,135	483,485	42,978	440,507
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	3,172	—	3,017	...	3,017
Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard laminés à froid, autres laminés à froid et revêtus	137,767	—	124,917	1,803	123,114
Galvanized sheets — Tôles galvanisées	60,637	—	64,251	285	63,966
Cold rolled and coated — Total — Laminés à froid et revêtus	201,576	—	192,185	2,088	190,097
Carbon steel — Total — Acier au carbone	685,225	69,135	675,670	45,066	630,604
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	2,905	—	2,579	...	2,579
Alloy plates — Plaques d'alliage	5,994	—	5,967	...	5,967
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	13,055	—	15,468	...	15,468
Cold finished bars — Barres étirées à froid	318	—	319	...	319
Wire rods — Fils machine	384	—	384	...	384
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autre laminés à froid	4,365	628	6,284	26	6,258
Alloy steel — Total — Acier allié	27,021	628	31,001	26	30,975

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products
TABLEAU 10A. Production et écoulement des expéditions de lingots et de laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
<u>Year to date — Total cumulatif</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	388,137	98,982	380,513	254,780	125,733
For forging and piercing — Pour forgeage et perforation	163,723	—	145,231	...	145,231
Rails	178,838	—	169,783	...	169,783
Wire rods — Fils machine	353,925	—	353,848	2,499	351,349
Structural shapes — Profilés de charpente:					
Heavy — Lourds	331,747	—	326,152	...	326,152
Bar-sized shapes — De la grosseur d'une barre	83,879	—	80,829	...	80,829
Concrete reinforcing bars — Barres d'armature ou ronds à béton	411,528	—	419,453	415	419,038
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	49,126	—	71,698	10,616	323,070
Other — Autres	291,640	—	261,988		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	5,263	—	5,132	...	5,132
Tie plates — Selles d'appui	47,406	—	47,445	10	47,435
Track spikes — Crampons de traverses de chemin de fer	8,322	—	8,305	...	8,305
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	595,586	—	617,443	7,305	610,138
Hot rolled sheets — Tôles laminées à chaud	784,969	25,147	817,840	62,028	755,812
Hot rolled strip — Feuillard laminé à chaud	222,985	—	194,940	502	194,438
Hot rolled products — Total — Produits laminés à chaud	3,917,074	124,129	3,900,600	338,155	3,562,445
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	35,536	—	37,116	...	37,116
Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard laminés à froid au- tres laminés à froid et revêtus	1,024,629	—	1,025,067	18,531	1,006,536
Galvanized sheets — Tôles galvanisées	392,438	—	394,277	2,278	391,999
Galvanized sheets — Tôles galvanisées					
Cold rolled and coated — Total — Laminés à froid et revêtus	1,452,603	—	1,456,460	20,809	1,435,651
Carbon steel — Total — Acier au carbone	5,369,677	124,129	5,357,060	358,964	4,998,096
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	37,799	—	38,910	...	38,910
Alloy plates — Plaques d'alliage	64,773	—	63,224	...	63,224
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	138,835	—	136,607	172	136,435
Cold finished bars — Barres étirées à froid	2,659	—	2,753	...	2,753
Wire rods — Fils machine	6,020	—	6,076	56	6,020
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autres laminés à froid	46,097	1,571	58,832	118	58,714
Alloy steel — Total — Acier allié	296,183	1,571	306,402	346	306,056

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

TABEAU 11. Écoulement des expéditions nettes(1) de produits de laminages d'acier

SDI No. — N ^o du SDI		July — 1971 — Juillet		Year to date — Total cumulatif	
		Carbon	Alloy	Carbon	Alloy
		Au carbone	Allié	Au carbone	Allié
		net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
4a	Wholesalers and warehouses — Steel service centres — Commerce de gros et entrepôts — Centres de service de l'acier	83,057	2,045	607,637	15,644
b	Other warehouses — Autres entrepôts	10,334	15	73,011	101
6	Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	66,861	8,350	501,375	89,957
7	Agricultural — Agriculture	3,919	336	60,333	2,543
8a	Contractors — Building — Entrepreneurs — Construction	44,203	42	252,389	410
b	Construction — Public and utility — Travaux publics et service d'utilité publique	3,937	6	29,928	65
c	Structural steel fabricators — Fabricants d'acier de charpente	73,761	1,436	538,005	12,672
9	Containers — Conténants	39,424	32	334,799	157
10	Machinery and tools — Machines et outils	12,679	2,096	146,494	26,171
11	Wire, wire products and fasteners — Fil métallique, produits en fil métallique et attaches	35,496	544	316,649	6,621
12	Natural resources and extractive industries — Ressources naturelles et industries de l'extraction	12,294	5,617	92,085	16,573
13	Appliances and utensils — Appareils et ustensiles	11,732	46	107,333	728
14	Other metal stamping and pressing — Autres articles estampés et matricés	31,744	2,207	268,974	18,387
16	Railway operating — Matériel ferroviaire fixe	7,800	414	206,099	973
17	Railroad cars and locomotives — Matériel roulant de chemin de fer	4,256	21	50,037	4,384
18	Shipbuilding — Construction de navires	5,614	98	30,870	3,170
19	Pipes and tubes — Tuyaux et tubes	82,530	1,011	614,034	22,799
20	Miscellaneous — Divers	3,645	41	34,527	649
	Domestic shipments — Total — Expéditions au pays	533,286	24,357	4,264,579	222,004
5a	Export — For conversion and return — Exportation — Pour transformation et retour	—	1,325	—	5,996
b	Other export (for final sale) — Autres exportations (vente)				
i	USA — É.-U.	66,464	4,377	569,239	56,911
ii	Other countries — Autres pays	30,854	916	164,278	21,145
	Domestic and export shipments — Total — Expéditions et exportation au pays	630,604	30,975	4,998,096	306,056
	Production (for sale only) — Production (pour la vente seulement)	685,225	27,021	5,369,677	296,183
	Imports by producers (including conversion) — Importation par les fabricants (y compris la transformation)	69,135	628	124,129	1,571

(1) Compiled by principal consuming industries according to the "Steel Distribution Index", revised January 1964. — Compilé par les principales industries de consommation d'après le Steel Distribution Index révisé en janvier 1964.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

July 1971

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machine	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	—	423	—	7,780	2,005	17,283	5,718	29
b	Other warehouses	—	82	—	1,779	562	927	306	3
6	Automotive and aircraft industries	1,584	—	—	71	—	20	10,915	—
7	Agricultural	10	—	—	211	99	18	1,432	—
8a	Contractors — Building	—	—	—	3,079	49	6,160	65	20
b	Construction — Public and utility	—	—	—	520	—	1,894	142	4
c	Structural steel fabricators	79	43	788	25,195	3,049	21,631	4,429	—
9	Containers	—	—	—	—	—	—	—	—
10	Machinery and tools	100	—	458	247	65	210	1,323	—
11	Wire, wire products and fasteners	424	—	28,671	—	120	142	3,016	588
12	Natural resources and extractive industries.	190	217	—	1,839	23	877	11,220	104
13	Appliances and utensils	—	—	—	140	5	—	79	—
14	Other metal stamping and pressing	138	75	58	198	214	7,875	1,770	—
16	Railway operating	—	3,426	—	384	11	—	249	2,848
17	Railroad cars and locomotives	—	—	—	344	13	—	454	—
18	Shipbuilding	—	—	—	449	52	—	112	—
19	Pipes and tubes	15,162	—	29	—	—	—	50	—
20	Miscellaneous	1,079	—	255	—	34	891	208	10
	Total domestic shipments	18,766	4,266	30,259	42,236	6,301	57,928	41,488	3,606
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	1,238	895	7,491	6,024	1,294	17	6,406	—
ii	Other countries	11,028	6,720	1,819	—	—	—	468	—
	Total domestic and export shipments.	31,032	11,881	39,569	48,260	7,595	57,945	48,362	3,606
	Production (for sale only)	60,259	14,437	40,605	47,971	4,392	58,107	48,037	3,301
	Imports by producers (including conversion).	43,988	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Juillet 1971

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other coated — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus	Galvanized sheets — Tôles galvanisées	Total		N ^o du SDI
tonnes nettes de 2,000 livres								
13,642	14,174	284	1,569	10,417	11,778	85,102	Commerce de gros et entrepôts - Centres de service de l'acier.	4a
1,399	3,013	306	—	1,877	95	10,349	Autres entrepôts	b
1,018	40,750	1,651	571	16,212	2,419	75,211	Industries de l'automobile et de l'aéronautique.	6
497	678	129	191	941	49	4,255	Agriculture	7
2,251	3,389	487	26	3,786	24,933	44,245	Entrepreneurs - Construction	8a
342	872	—	—	100	69	3,943	Construction - Travaux publics et service d'utilité publique.	b
12,981	2,208	597	—	323	3,874	75,197	Fabricants d'acier de charpente	c
19	288	58	—	38,971	120	39,456	Contenants	9
3,190	2,508	340	432	4,990	912	14,775	Machines et outils	10
574	1,337	—	122	842	204	36,040	Fil métallique, produits en fil métallique et attaches.	11
1,683	428	—	32	561	737	17,911	Industries des ressources naturelles et de l'extraction.	12
145	1,452	62	49	8,314	1,532	11,778	Appareils et ustensiles	13
3,004	3,356	343	207	10,843	5,870	33,951	Autres articles estampés et matriciés ...	14
1,165	4	118	—	—	9	8,214	Matériel ferroviaire fixe	16
2,502	806	—	5	—	153	4,277	Matériel roulant de chemin de fer	17
5,047	17	—	—	—	35	5,712	Construction de navires	18
32,954	10,280	21,671	17	3,051	327	83,541	Tuyaux et tubes	19
118	218	—	21	764	88	3,686	Divers	20
82,531	85,778	26,046	3,242	101,992	53,204	557,643	Total, expéditions au pays	
—	—	—	—	1,325	—	1,325	Exportation - Pour transformation et retour.	5a
12,123	9,436	480	90	15,860	9,487	70,841	Autres exportation (vente)	b
—	444	—	4	10,012	1,275	31,770	E.-U.	i
							Autres pays	ii
94,654	95,658	26,526	3,336	129,189	63,966	661,579	Total, expéditions et exportation au pays.	
92,191	106,275	30,595	3,490	141,949	60,637	712,246	Production (pour la vente seulement)	
—	25,147	—	—	628	—	69,763	Importation par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Year to date

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machines	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	143	1,482	—	62,545	22,040	116,121	62,252	392
b	Other warehouses	530	500	—	11,841	3,199	10,005	3,322	19
6	Automotive and aircraft industries	12,573	—	465	530	85	60	116,812	—
7	Agricultural	170	—	—	1,810	2,516	21	16,032	—
8a	Contractors — Building	—	—	—	9,112	772	47,130	2,918	23
b	Construction — Public and utility	8	166	—	4,754	298	15,469	982	4
c	Structural steel fabricators	275	406	6,935	170,352	34,822	144,790	42,805	29
9	Containers	—	—	—	—	—	—	8	—
10	Machinery and tools	150	1,039	7,783	8,163	1,713	720	18,915	—
11	Wire, wire products and fasteners	4,289	—	251,790	30	1,856	201	38,801	2,769
12	Natural resources and extractive industries.	2,746	5,497	33	5,846	336	4,807	65,050	1,599
13	Appliances and utensils	—	—	—	378	93	—	486	—
14	Other metal stamping and pressing	2,235	372	1,102	1,740	2,793	72,185	23,353	14
16	Railway operating	51	139,504	—	2,404	293	1	3,473	54,849
17	Railroad cars and locomotives	14,051	—	—	5,259	239	—	2,822	—
18	Shipbuilding	—	13	—	3,943	151	—	995	—
19	Pipes and tubes	112,865	—	210	—	—	54	298	—
20	Miscellaneous	21,346	—	2,170	135	232	2,035	1,847	294
	Total domestic shipments	171,432	148,979	270,488	288,842	71,438	413,599	401,171	59,992
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	80,040	14,084	63,736	37,310	9,391	4,581	43,030	837
ii	Other countries	58,402	6,720	23,145	—	—	858	15,304	43
	Total domestic and export shipments.	309,874	169,783	357,369	326,152	80,829	419,038	459,505	60,872
	Production (for sale only)	589,659	178,838	359,945	331,747	83,879	411,528	479,601	60,991
	Imports by producers (including conversion).	98,982	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12A. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Total cumulatif								
Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus	Galvanized sheets — Tôles galvanisées	Total		Nº du SDI
tonnes nettes de 2,000 livres								
85,437	93,208	1,572	13,694	94,297	70,098	623,281	Commerce de gros et entrepôts — Centres de service de l'acier.	4a
8,036	20,386	981	—	12,667	1,626	73,112	Autres entrepôts	b
8,138	289,020	18,006	9,934	121,768	13,941	591,332	Industries de l'automobile et de l'aéronautique.	6
5,831	19,308	1,108	3,950	10,417	1,713	62,876	Agriculture	7
10,078	19,323	3,094	151	21,187	139,011	252,799	Entrepreneurs — Construction	8a
1,894	5,294	—	—	1,055	69	29,993	Construction — Travaux publics et service d'utilité publique.	b
101,043	19,183	5,888	444	5,281	18,424	550,677	Fabricants d'acier de charpente	c
880	4,695	594	—	327,800	979	334,956	Contenants	9
34,268	24,064	4,604	5,558	56,692	8,996	172,665	Machines et outils	10
3,048	9,788	229	1,218	8,045	1,206	323,270	Fil métallique, produits en fil métallique et attachés.	11
12,012	3,938	73	149	4,060	2,512	108,658	Industries des ressources naturelles et de l'extraction.	12
3,672	14,006	675	967	73,414	14,370	108,061	Appareils et ustensiles	13
19,308	25,929	2,644	1,672	92,489	41,525	287,361	Autres articles estampés et matricés ...	14
5,400	683	118	106	45	145	207,072	Matériel ferroviaire fixe	16
26,230	4,965	—	31	2	822	54,421	Matériel roulant de chemin de fer	17
28,537	350	—	16	—	35	34,040	Construction de navires	18
228,573	93,447	150,542	90	47,022	3,732	636,833	Tuyaux et tubes	19
326	261	—	454	5,797	279	35,176	Divers	20
582,711	647,848	190,128	38,434	882,038	319,483	4,486,583	Total, expéditions au pays	
—	—	—	—	5,996	—	5,996	Exportation — Pour transformation et retour.	5a
90,356 295	108,843 3,499	4,310 —	1,219 216	111,372 61,466	57,041 15,475	626,150 185,423	Autres exportation (vente) É.-U. Autres pays	b i ii
673,362	760,190	194,438	39,869	1,060,872	391,999	5,304,152	Total, expéditions et exportation au pays.	
660,359	789,347	222,985	38,195	1,066,348	392,438	5,665,860	Production (pour la vente seulement)	
—	25,147	—	—	1,571	—	125,700	Importations par les fabricants (y compris la transformation)	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.



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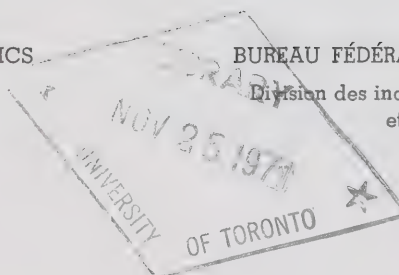
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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
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- P preliminary figures.
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Note: The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

SIGNES CONVENTIONNELS

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Nota: Les termes expéditions, expéditions nettes, utilisés dans cette publication, se rapportent aux expéditions des producteurs.

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TABLE 1. Pig Iron Capacity, January 1, 1971

TABLEAU 1. Capacité de fonte en gueuses, 1^{er} janvier 1971

	In blast or in use — En activité		Banked, blown out or idle — Vide, hors feu ou chômant	
	Furnaces — Fours	Annual capacity — Capacité annuelle	Furnaces — Fours	Annual capacity — Capacité annuelle
	No. — nomb.	net tons — tonnes nettes	No. — nomb.	net tons — tonnes nettes
Blast furnaces — Hauts fourneaux	15	10,625,000	1	150,000
Electric furnaces — Fours électriques	11	710,000	—	—
Total	26	11,335,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

TABLEAU 2. Charges des hauts fourneaux de fer(1)

	August — 1971 — Août	Year to date — Total cumulatif
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Crude iron ore — Minerai de fer brut</u>		
From Canadian mines — Des mines canadiennes	—	79,363
From foreign mines — Des mines étrangères	8,144	222,290
Pyrite cinder — Cendre de pyrite	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.) — Minerai de fer sinter, bouletté, etc.)</u>		
From Canadian mines — Des mines canadiennes	889,839	5,935,448
From foreign mines — Des mines étrangères	79,505	1,192,816
From own processing — De propre traitement	89,840	786,000
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.)	10,445	120,362
Scrap iron and steel — Ferraille de fer et d'acier	12,690	99,761
Limestone — Pierre calcaire	36,453	280,158
Dolomite — Dolomie	36,465	294,486
Coke	358,119	2,870,259

(1) Does not include charges into furnaces used in the smelting of titanium ores. — Ne comprend pas les charges des fours utilisées pour l'affinage des minerais de titane.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.). — Inclus avec les scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys
TABLEAU 3. Production et expéditions de fonte en gueuses et de ferro-alliages

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>August — Août</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	661,019	3,842	692,421	4,931
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	76,990 (3)	59,838 (3)	47,894 (3)	55,761 (3)
Malleable — Malléable				
Pig iron — Total — Fonte en gueuses	738,009	63,680	740,315	60,692
Ferro-alloys — Ferro-alliages	15,788	17,383	16,781	15,572
Stocks of pig iron on hand at end of month — Stocks de fonte en gueuses à la fin du mois	289,092		283,772	
<u>Year to date — Total cumulatif</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	5,637,786 [†]	37,521 [†]	5,189,631	31,736
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	529,309 (3)	478,791 [†] (3)	504,000 (3)	449,780 (3)
Malleable — Malléable				
Pig iron — Total — Fonte en gueuses	6,167,095 [†]	516,312 [†]	5,693,631	481,516
Ferro-alloys — Ferro-alliages	135,264	145,751	141,980	132,902

- (1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine.
(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores. — Inclus les produits ferreux obtenus lors de l'affinage des minerais de titane.
(3) Included with "Foundry". — Inclus avec "La Fonderie".

TABLE 4. Steel Furnace Capacity, January 1, 1971
TABLEAU 4. Capacité des fours d'acier, 1^{er} janvier 1971

	Annual capacity — Capacité annuelle
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres
<u>Ingots — Lingots</u>	
Basic open hearth — Four à sole, marche basique	6,970,000
Electric — Four électrique	2,294,450
Basic oxygen furnace — Four à oxygène, marche basique	4,400,000
Ingots — Total — Lingots	13,664,450
Steel castings — Moulages d'acier	418,925
Ingots and castings — Total — Lingots et moulages	14,083,375

TABLE 5. Pig Iron and Scrap Charged to Steel Furnaces

TABLEAU 5. Charges de fonte en gueuses et de ferraille dans les fours d'acier

	August - 1971 - Août		Year to date - Total cumulatif	
	1970	1971	1970	1971
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
Pig iron - Fonte en gueuses	668,179	657,305	5,496,869	5,130,440
Scrap - Ferraille:				
Own make - De propre fabrication	286,129	294,851	2,368,566	2,455,376
Purchased - Achetée	166,610	192,723	1,507,042	1,680,058
Pig iron and scrap - Total - Fonte en gueuses et ferraille	1,120,918	1,144,879	9,372,477	9,265,874

TABLE 6. Production and Shipments of Steel Ingots and Castings

TABLEAU 6. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
<u>August - Août</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) - Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth - Four à sole, marche basique	850,094	16,897	859,675	5,273
Electric - Four électrique	119,080	32,147	122,322	24,607
Basic oxygen furnace - Four à oxygène, marche basique ...	(3)	(3)	(3)	(3)
Steel ingots - Total - Lingots d'acier	969,174	49,044	981,997	29,880
Continuous cast steel included in above - Moulages d'acier de coulée continue déclarés ci-dessus	100,292	x	95,203	x
Alloy steel ingots included in above - Lingots d'acier allié déclarés ci-dessus	104,391	x	83,158	x
<u>Steel castings (both carbon and alloy) - Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth - Four à sole, marche basique	-	-	-	-
Electric - Four électrique	14,709	12,680	15,674	14,555
Basic oxygen furnace - Four à oxygène, marche basique ...	-	-	-	-
Steel castings - Total - Moulages d'acier	14,709	12,680	15,674	14,555
<u>Alloy steel castings included in above - Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese, and abrasion resistant - Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	417	317	596	311
Manganese and abrasive resistant - Acier au manganèse et alliage résistant à l'abrasion	1,934	1,927	2,011	2,185
All other alloys - Tous autres alliages	849	846	511	458
Alloy castings - Total - Moulages d'acier allié	3,200	3,090	3,118	2,954

(1) Includes amounts for sale and for own use. - Inclus les quantités fabriquées pour vente et pour usage à l'usine. (2) Included with "Basic open hearth". - Inclus avec les moulages de "Four à sole, marche basique". (3) Included with "Electric". - Inclus avec "Four électrique".

TABLE 6A. Production and Shipments of Steel Ingots and Castings
TABLEAU 6A. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>Year to date — Total cumulatif</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth — Four à sole, marche basique	7,089,105	114,601	6,867,647	114,136
Electric — Four électrique	1,079,591	208,808	1,102,102	198,922
Basic oxygen furnace — Four à oxygène, marche basique	(3)	(3)	(3)	(3)
Steel ingots — Total — Lingots d'acier	8,168,696	323,409	7,969,749	313,058
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus	934,896	x	930,992	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	679,618	x	690,512	x
<u>Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth — Four à sole, marche basique	(3)	—	(3)	(3)
Electric — Four électrique	121,265	115,329	138,477	136,677
Basic oxygen furnace — Four à oxygène, marche basique	—	—	—	—
Steel castings — Total — Moulages d'acier	121,265	115,329	138,477	136,677
<u>Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistants à l'abrasion	5,278	3,456	5,498	3,335
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion	17,282	17,772	21,453	22,363
All other alloys — Tous autres alliages	6,242	6,543	6,493	6,773
Alloy castings — Total — Moulages d'acier allié	28,802	27,771	33,444	32,471

See footnote(s) at end of Table 6. — Voir renvoi(s) à la fin du Tableau 6.

TABLE 7. Disposition of Shipments(1) of Steel Castings
TABLEAU 7. Écoulement des expéditions(1) de moulages d'acier

	August — 1971 — Août		Year to date — Total cumulatif	
	Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
Wholesalers and warehouses — Commerce de gros et entrepôts	—	—	—	—
Export — Exportation	2,349	115	16,637	1,940
Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	183	—	2,980	—
Agricultural(2) — Agriculture(2)	40	42	513	226
Construction(3)	41	313	357	2,752
Machinery and tools — Machines et outils	1,644	254	13,750	4,254
Natural resources and extractive industries(4) — Industries des ressources naturelles et de l'extraction(4)	1,476	1,667	10,141	14,538
Railway operating — Matériel ferroviaire fixe	2,474	90	37,379	2,068
Railroad cars and locomotives — Matériel roulant de chemin de fer	2,823	285	18,404	4,081
Shipbuilding — Construction de navires	34	—	190	39
Miscellaneous(5) — Divers(5)	537	188	3,855	2,573
Total	11,601	2,954	104,206	32,471

(1) (a) Compiled by principal consuming industries according to the Steel Distribution Index revised January 1964. — Compilé par les principales industries de consommation, d'après le Steel Distribution Index révisé en janvier 1964. (b) Includes producers' own-make castings allocated to appropriate consuming industry. — Inclus les moulages d'acier de propre fabrication des fabricants affectés à l'industrie de consommation appropriée. (2) Including implement and equipment manufacturers. — Y compris les fabricants d'instruments et de matériel agricoles. (3) Including public works, public utilities and structural steel fabricators. — Y compris les travaux publics, les services d'utilité publique et les fabricants d'acier de charpente. (4) Including mining, lumbering, quarrying, oil and gas, including refineries, etc. — Y compris l'industrie minière, l'exploitation du bois-d'oeuvre, les carrières, le pétrole et le gaz, et les raffineries, etc. (5) Including grinding balls and railway car wheels. — Y compris les broyeurs à boulets et les roues des voitures et wagons de chemin de fer.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

TABLERAU 8. Production mensuelle de fonte en gueuses, de ferro-alliages et de lingots et moulages d'acier

	Pig iron — Fonte en gueuses	Ferro- alloys — Ferro- alliages	Steel — Acier		
			Ingots — Lingots	Castings — Moulages	Total steel — Acier
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>1970</u>					
January — Janvier	788,315	15,124	1,042,829	14,136	1,056,965
February — Février	721,075	15,534	973,253	14,973	988,226
March — Mars	815,211	19,017	1,078,812	15,718	1,094,530
April — Avril	783,074	16,645	1,037,231	16,911	1,054,142
May — Mai	794,136	15,627	1,063,555	16,511	1,080,066
June — Juin	756,542	19,689	1,017,287	17,091	1,034,378
July — Juillet	770,733	17,840	986,555	11,216	997,771
August — Août	738,009	15,788	969,174	14,709	983,883
September — Septembre	703,728	19,827	956,946	17,328	974,274
October — Octobre	741,942	17,850	1,039,287	17,479	1,056,766
November — Novembre	728,891	18,122	1,006,724	17,952	1,024,676
December — Décembre	744,299	18,493	982,759	17,696	1,000,455
Total	9,085,955	209,556	12,154,412	191,720	12,346,132
<u>1971</u>					
January — Janvier	697,562	16,025	993,706	17,499	1,011,205
February — Février	566,553	15,884	865,131	17,554	882,685
March — Mars	663,693	19,973	995,183	19,544	1,014,727
April — Avril	737,987	17,044	1,011,212	18,757	1,029,969
May — Mai	806,185	18,475	1,076,249	19,068	1,095,317
June — Juin	755,065	21,226	1,064,875	19,803	1,084,678
July — Juillet	726,271	16,572	981,396	10,578	991,974
August — Août	740,315	16,781	981,997	15,674	997,671
September — Septembre					
October — Octobre					
November — Novembre					
December — Décembre					
Total					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings
TABLEAU 9. Production et expéditions de tuyaux, tubes et raccords en acier

	1970		1971	
	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>August — Août</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	19,153	22,258	20,321	23,479
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	58,177	64,574	41,615	42,370
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	15,590	16,485	13,524	18,346
Total	92,920	103,317	75,460	84,195
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	144	198	89	134
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	473	458	694	814
Total	617	656	783	948
<u>Year to date — Total cumulatif</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	201,149	178,468	203,286	175,701
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	381,455	357,253	355,496	340,237
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	163,545	157,580	158,790	156,146
Total	746,149	693,301	717,572	672,084
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	822	1,251	769	1,114
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	4,926	5,415	5,552	6,409
Total	5,748	6,666	6,321	7,523

(1) Included with "Other". — Inclus avec "Autres".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products
TABLEAU 10. Production et écoulement des expéditions de produits de lingots et laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
<u>August — 1971 — Août</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	53,385	39,044	38,522	37,729	793
For forging and piercing — Pour forgeage et perforation	17,690	—	12,775	...	12,775
Rails	11,427	—	8,439	...	8,439
Wire rods — Fils machine	39,782	—	41,510	624	40,886
Structural shapes — Profilés de charpente:					
Heavy — Lourds	39,403	—	45,219	...	45,219
Bar-sized shapes — De la grosseur d'une barre	15,450	—	9,410	...	9,410
Concrete reinforcing bars — Barres d'armature ou ronds à béton	62,663	—	69,565	87	69,478
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plats	6,255	—	12,312)	1,571	43,877
Other — Autres	42,182	—	33,136)		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	—	—	53	...	53
Tie plates — Selles d'appui	3,701	—	3,708	...	3,708
Track spikes — Crampons de traverses de chemin de fer	588	—	588	...	588
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	87,240	—	85,344	314	85,030
Hot rolled sheets — Tôles laminées à chaud	136,178	10,895	124,866	3,770	121,096
Hot rolled strip — Feuillard laminé à chaud	36,640	—	45,698	69	45,629
Hot rolled products — Total — Produits laminés à chaud	552,784	49,939	531,145	44,164	486,981
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	4,353	—	4,691	...	4,691
Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard laminés à froid, autres laminés à froid et revêtus	148,607	—	150,640	3,378	147,262
Galvanized sheets — Tôles galvanisées	67,613	—	65,861	505	65,356
Cold rolled and coated — Total — Laminés à froid et revêtus	220,573	—	221,192	3,883	217,309
Carbon steel — Total — Acier au carbone	773,357	49,939	752,337	48,047	704,290
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	1,770	—	1,909	...	1,909
Alloy plates — Plaques d'alliage	6,424	—	6,541	...	6,541
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	21,935	—	21,019	57	20,962
Cold finished bars — Barres étirées à froid	308	—	332	...	332
Wire rods — Fils machine	713	—	722	9	713
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autres laminés à froid	6,783	673	8,524	48	8,476
Alloy steel — Total — Acier allié	37,933	673	39,047	114	38,933

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir in traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

TABLEAU 10A. Production et écoulement des expéditions de lingots et de laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
<u>Year to date — Total cumulatif</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	441,722	138,026	419,035	292,509	126,526
For forging and piercing — Pour forgeage et perforation	181,413	—	158,006	...	158,006
Rails	190,265	—	178,222	...	178,222
Wire rods — Fils machine	393,707	—	395,358	3,123	392,235
Structural shapes — Profilés de charpente:					
Heavy — Lourds	371,150	—	371,371	...	371,371
Bar-sized shapes — De la grosseur d'une barre	99,329	—	90,239	...	90,239
Concrete reinforcing bars — Barres d'armature ou ronds à béton	474,191	—	489,018	502	488,516
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	55,381	—	84,010	12,187	366,947
Other — Autres	333,822	—	295,124		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	5,263	—	5,185	...	5,185
Tie plates — Selles d'appui	51,107	—	51,153	10	51,143
Track spikes — Crampons de traverses de chemin de fer	8,910	—	8,893	...	8,893
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	682,826	—	702,787	7,619	695,168
Hot rolled sheets — Tôles laminées à chaud	921,147	36,042	942,706	65,798	876,908
Hot rolled strip — Feuillard laminé à chaud	259,625	—	240,638	571	240,067
Hot rolled products — Total — Produits laminés à chaud	4,469,858	174,068	4,431,745	382,319	4,049,426
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	39,889	—	41,807	...	41,807
Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard laminés à froid autres laminés à froid et revêtus	1,173,236	—	1,175,707	21,909	1,153,798
Galvanized sheets — Tôles galvanisées	460,051	—	460,138	2,783	457,355
Cold rolled and coated — Total — Laminés à froid et revêtus	1,673,176	—	1,677,652	24,692	1,652,960
Carbon steel — Total — Acier au carbone	6,143,034	174,068	6,109,397	407,011	5,702,386
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	39,569	—	40,819	...	40,819
Alloy plates — Plaques d'alliage	71,197	—	69,765	...	69,765
Other hot rolled bars including structurals — Autres Barres laminées à chaud y compris les barres de charpente	160,770	—	157,626	229	157,397
Cold finished bars — Barres étirées à froid	2,967	—	3,085	...	3,085
Wire rods — Fils machine	6,733	—	6,798	65	6,733
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autres laminés à froid	52,880	2,244	67,356	166	67,190
Alloy steel — Total — Acier allié	334,116	2,244	345,449	460	344,989

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

TABLEAU 11. Écoulement des expéditions nettes(1) de produits de laminages d'acier

SDI No. — N ^o du SDI		August — 1971 — Août		Year to date — Total cumulatif	
		Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
		net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
4a	Wholesalers and warehouses — Steel service centres — Commerce de gros et entrepôts — Centres de service de l'acier	93,948	2,474	701,585	18,118
b	Other warehouses — Autres entrepôts	9,217	48	82,228	149
6	Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	83,770	16,306	585,145	106,263
7	Agricultural — Agriculture	8,550	760	68,883	3,303
8a	Contractors — Building — Entrepreneurs — Construction	46,709	12	299,098	422
b	Construction — Public and utility — Travaux publics et service d'utilité publique	4,837	10	34,765	75
c	Structural steel fabricators — Fabricants d'acier de charpente	85,653	1,669	623,658	14,341
9	Containers — Contenants	46,927	39	381,726	196
10	Machinery and tools — Machines et outils	21,648	3,640	168,142	29,811
11	Wire, wire products and fasteners — Fil métallique, produits en fil métallique et attaches	41,678	993	358,327	7,614
12	Natural resources and extractive industries — Ressources naturelles et industries de l'extraction	18,888	2,196	110,973	18,769
13	Appliances and utensils — Appareils et ustensiles	14,035	143	121,368	871
14	Other metal stamping and pressing — Autres articles estampés et matricés	33,588	2,171	302,562	20,558
16	Railway operating — Matériel ferroviaire fixe	6,224	11	212,323	984
17	Railroad cars and locomotives — Matériel roulant de chemin de fer	5,568	993	55,605	5,377
18	Shipbuilding — Construction de navires	4,564	3	35,434	3,173
19	Pipes and tubes — Tuyaux et tubes	94,804	306	708,838	23,105
20	Miscellaneous — Divers	4,852	22	39,379	671
	Domestic shipments — Total — Expéditions au pays	625,460	31,796	4,890,039	253,800
5a	Export — For conversion and return — Exportation — Pour transformation et retour	—	803	—	6,799
b	Other export (for final sale) — Autres exportations (vente)				
i	USA — É.-U.	66,641	5,007	635,880	61,918
ii	Other countries — Autres pays	12,189	1,327	176,467	22,472
	Domestic and export shipments — Total — Expéditions et exportation au pays	704,290	38,933	5,702,386	344,989
	Production (for sale only) — Production (pour la vente seulement)	773,357	37,933	6,143,034	334,116
	Imports by producers (including conversion) — Importation par les fabricants (y compris la transformation)	49,939	673	174,068	2,244

(1) Compiled by principal consuming industries according to the "Steel Distribution Index", revised January 1964. — Compilé par les principales industries de consommation d'après le Steel Distribution Index révisé en janvier 1964.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
August 1971

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machine	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	22	30	—	7,886	2,992	20,066	7,421	53
b	Other warehouses	—	130	—	1,998	324	1,059	781	8
6	Automotive and aircraft industries	1,237	—	—	87	37	—	20,627	—
7	Agricultural	26	—	—	126	122	—	4,136	—
8a	Contractors — Building	—	70	—	538	15	6,254	687	19
b	Construction — Public and utility	—	—	—	974	—	2,214	335	—
c	Structural steel fabricators	11	83	935	24,816	3,722	28,774	7,218	4
9	Containers	—	—	—	—	—	—	12	—
10	Machinery and tools	—	—	918	1,134	131	164	2,486	—
11	Wire, wire products and fasteners	869	—	34,135	59	17	4	4,373	104
12	Natural resources and extractive industries.	231	7,101	—	1,017	33	615	8,365	90
13	Appliances and utensils	—	—	—	25	—	—	14	—
14	Other metal stamping and pressing	310	—	186	459	381	6,240	2,505	—
16	Railway operating	—	448	—	516	25	—	287	3,847
17	Railroad cars and locomotives	110	—	—	613	30	—	262	—
18	Shipbuilding	115	—	—	371	13	—	148	—
19	Pipes and tubes	7,949	—	—	—	—	—	9	—
20	Miscellaneous	2,944	—	—	10	39	453	376	—
	Total domestic shipments	13,824	7,862	36,174	40,629	7,881	65,843	60,042	4,125
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	1,645	577	3,635	4,590	1,529	3,552	4,181	—
ii	Other countries	8	—	1,790	—	—	83	616	224
	Total domestic and export shipments.	15,477	8,439	41,599	45,219	9,410	69,478	64,839	4,349
	Production (for sale only)	73,045	11,427	40,495	39,403	15,450	62,663	70,372	4,289
	Imports by producers (including conversion).	39,044	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Août 1971

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Toles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated — Toles et feuillard, laminés à froid, autres laminés à froid et revêtus	Galvanized sheets — Toles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
12,915	15,783	148	1,334	15,490	12,282	96,422	Commerce de gros et entrepôts - Centres de service de l'acier.	4a
1,111	2,248	50	—	1,407	149	9,265	Autres entrepôts	b
1,301	50,695	3,375	1,372	18,986	2,359	100,076	Industries de l'automobile et de l'aéronautique.	6
1,119	1,620	58	598	1,457	48	9,310	Agriculture	7
1,410	3,579	569	23	4,478	29,079	46,721	Entrepreneurs - Construction	8a
592	559	—	—	173	—	4,847	Construction - Travaux publics et service d'utilité publique.	b
13,032	3,020	1,172	124	515	3,896	87,322	Fabricants d'acier de charpente	c
—	241	63	—	46,467	183	46,966	Contenants	9
6,007	4,038	588	777	7,828	1,217	25,288	Machines et outils	10
291	1,521	4	185	914	195	42,671	Fil métallique, produits en fil métallique et attaches.	11
1,894	871	—	18	498	351	21,084	Industries des ressources naturelles et de l'extraction.	12
358	1,344	272	168	10,254	1,743	14,178	Appareils et ustensiles	13
1,982	3,636	336	205	13,084	6,435	35,759	Autres articles estampés et matricés ...	14
848	235	—	—	6	23	6,235	Matériel ferroviaire fixe	16
4,041	1,120	—	3	—	382	6,561	Matériel roulant de chemin de fer	17
3,914	6	—	—	—	—	4,567	Construction de navires	18
28,978	13,439	38,847	—	5,293	595	95,110	Tuyaux et tubes	19
62	—	—	101	823	66	4,874	Divers	20
79,855	103,955	45,482	4,908	127,673	59,003	657,256	Total, expéditions au pays	
—	—	—	—	803	—	803	Exportation - Pour transformation et retour.	5a
11,716	17,220	147	105	17,336	5,415	71,648	Autres exportation (vente)	b
—	706	—	10	9,141	938	13,516	É.-U.	i
							Autres pays	ii
91,571	121,881	45,629	5,023	154,953	65,356	743,223	Total, expéditions et exportation au pays.	
93,664	136,963	36,640	4,661	154,605	67,613	811,290	Production (pour la vente seulement)	
—	10,895	—	—	673	—	50,612	Importation par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Year to date

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machines	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	165	1,512	—	70,431	25,032	136,187	69,673	445
b	Other warehouses	530	630	—	13,839	3,523	11,064	4,103	27
6	Automotive and aircraft industries	13,810	—	465	617	122	60	137,439	—
7	Agricultural	196	—	—	1,936	2,638	21	20,168	—
8a	Contractors — Building	—	70	—	9,650	787	53,384	3,605	42
b	Construction — Public and utility	8	166	—	5,728	298	17,683	1,317	4
c	Structural steel fabricators	286	489	7,870	195,168	38,544	173,564	50,023	33
9	Containers	—	—	—	—	—	—	20	—
10	Machinery and tools	150	1,039	8,701	9,297	1,844	884	21,401	—
11	Wire, wire products and fasteners	5,158	—	285,925	89	1,873	205	43,174	2,873
12	Natural resources and extractive industries.	2,977	12,598	33	6,863	369	5,422	73,415	1,689
13	Appliances and utensils	—	—	—	403	93	—	500	—
14	Other metal stamping and pressing	2,545	372	1,288	2,199	3,174	78,425	25,858	14
16	Railway operating	51	139,952	—	2,920	318	1	3,760	58,696
17	Railroad cars and locomotives	14,161	—	—	5,872	269	—	3,084	—
18	Shipbuilding	115	13	—	4,314	164	—	1,143	—
19	Pipes and tubes	120,814	—	210	—	—	54	307	—
20	Miscellaneous	24,290	—	2,170	145	271	2,488	2,223	294
	Total domestic shipments	185,256	156,841	306,662	329,471	79,319	479,442	461,213	64,117
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b i ii	Other export (for final sale)								
	USA	81,685	14,661	67,371	41,900	10,920	8,133	47,211	837
	Other countries	58,410	6,720	24,935	—	—	941	15,920	267
	Total domestic and export shipments.	325,351	178,222	398,968	371,371	90,239	488,516	524,344	65,221
	Production (for sale only)	662,704	190,265	400,440	371,150	99,329	474,191	549,973	65,280
	Imports by producers (including conversion).	138,026	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12A. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Total cumulatif								
Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus	Galvanized sheets — Tôles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
98,352	108,991	1,720	15,028	109,787	82,380	719,703	Commerce de gros et entrepôts — Centres de service de l'acier.	4a
9,147	22,634	1,031	—	14,074	1,775	82,377	Autres entrepôts	b
9,439	339,715	21,381	11,306	140,754	16,300	691,408	Industries de l'automobile et de l'aéronautique.	6
6,950	20,928	1,166	4,548	11,874	1,761	72,186	Agriculture	7
11,488	22,902	3,663	174	25,665	168,090	299,520	Entrepreneurs — Construction	8a
2,486	5,853	—	—	1,228	69	34,840	Construction — Travaux publics et service d'utilité publique.	b
114,075	22,203	7,060	568	5,796	22,320	637,999	Fabricants d'acier de charpente	c
880	4,936	657	—	374,267	1,162	381,922	Contenants	9
40,275	28,102	5,192	6,335	64,520	10,213	197,953	Machines et outils	10
3,339	11,309	233	1,403	8,959	1,401	365,941	Fil métallique, produits en fil métallique et attachés.	11
13,906	4,809	73	167	4,558	2,863	129,742	Industries des ressources naturelles et de l'extraction.	12
4,030	15,350	947	1,135	83,668	16,113	122,239	Appareils et ustensiles	13
21,290	29,565	2,980	1,877	105,573	47,960	323,120	Autres articles estampés et matricés ...	14
6,248	918	118	106	51	168	213,307	Matériel ferroviaire fixe	16
30,271	6,085	—	34	2	1,204	60,982	Matériel roulant de chemin de fer	17
32,451	356	—	16	—	35	38,607	Construction de navires	18
257,551	106,886	189,389	90	52,315	4,327	731,943	Tuyaux et tubes	19
388	261	—	555	6,620	345	40,050	Divers	20
662,566	751,803	235,610	43,342	1,009,711	378,486	5,143,839	Total, expéditions au pays	
—	—	—	—	6,799	—	6,799	Exportation — Pour transformation et retour.	5a
102,072	126,063	4,457	1,324	128,708	62,456	697,798	Autres exportation (vente)	b
295	4,205	—	226	70,607	16,413	198,939	É.-U.	i
							Autres pays	ii
764,933	882,071	240,067	44,892	1,215,825	457,355	6,047,375	Total, expéditions et exportation au pays.	
754,023	926,310	259,625	42,856	1,220,953	460,051	6,477,150	Production (pour la vente seulement)	
—	36,042	—	—	2,244	—	176,312	Importations par les fabricants (y compris la transformation).	

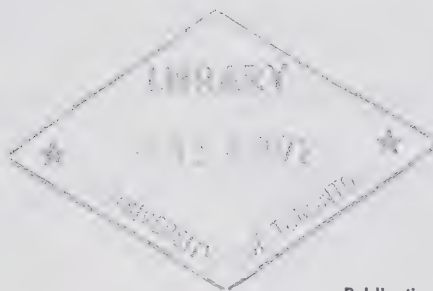
(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.



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FER ET ACIER PRIMAIRE

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SYMBOLS

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Note: The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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Nota: Les termes expéditions, expéditions nettes, utilisés dans cette publication, se rapportent aux expéditions des producteurs.

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TABLE 1. Pig Iron Capacity, January 1, 1971

TABLEAU 1. Capacité de fonte en gueuses, 1^{er} janvier 1971

	In blast or in use — En activité		Banked, blown out or idle — Vide, hors feu ou chômant	
	Furnaces — Fours	Annual capacity — Capacité annuelle	Furnaces — Fours	Annual capacity — Capacité annuelle
	No. — nomb.	net tons — tonnes nettes	No. — nomb.	net tons — tonnes nettes
Blast furnaces — Hauts fourneaux	15	10,625,000	1	150,000
Electric furnaces — Fours électriques	11	710,000	—	—
Total	26	11,335,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

TABLEAU 2. Charges des hauts fourneaux de fer(1)

	September — 1971 — Septembre	Year to date — Total cumulatif
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Crude iron ore — Minerai de fer brut</u>		
From Canadian mines — Des mines canadiennes	576	79,939
From foreign mines — Des mines étrangères	11,304	233,594
Pyrite cinder — Cendre de pyrite	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.) — Minerai de fer sinter, bouletté, etc.)</u>		
From Canadian mines — Des mines canadiennes	807,440	6,742,888
From foreign mines — Des mines étrangères	140,029	1,332,845
From own processing — De propre traitement	93,894	879,894
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.)	11,780	132,142
Scrap iron and steel — Ferraille de fer et d'acier	11,539	111,300
Limestone — Pierre calcaire	36,176	316,334
Dolomite — Dolomie	36,846	331,332
Coke	357,307	3,227,566

(1) Does not include charges into furnaces used in the smelting of titanium ores. — Ne comprend pas les charges des fours utilisées pour l'affinage des minerais de titane.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.). — Inclus avec les scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

TABLEAU 3. Production et expéditions de fonte en gueuses et de ferro-alliages

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>September — Septembre</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	636,807	3,491	666,049	3,215
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	66,921 (3)	106,241 (3)	59,658 (3)	63,310 (3)
Malleable — Malléable				
Pig iron — Total — Fonte en gueuses	703,728	109,732	725,707	66,525
Ferro-alloys — Ferro-alliages	19,827	20,908	18,559	19,567
Stocks of pig iron on hand at end of month — Stocks de fonte en gueuses à la fin du mois	250,573		312,161	
<u>Year to date — Total cumulatif</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	6,274,593 ^r	41,012	5,855,680	34,951
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	596,230 (3)	585,032 (3)	563,658 (3)	513,090 (3)
Malleable — Malléable				
Pig iron — Total — Fonte en gueuses	6,870,823 ^r	626,044	6,419,338	548,041
Ferro-alloys — Ferro-alliages	155,091	166,659	160,539	152,469

(1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores. — Inclus les produits ferreux obtenus lors de l'affinage des minerais de titane.

(3) Included with "Foundry." — Inclus avec "La Fonderie."

TABLE 4. Steel Furnace Capacity, January 1, 1971

TABLEAU 4. Capacité des fours d'acier, 1^{er} janvier 1971

	Annual capacity — Capacité annuelle
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres
<u>Ingots — Lingots</u>	
Basic open hearth — Four à sole, marche basique	6,970,000
Electric — Four électrique	2,294,450
Basic oxygen furnace — Four à oxygène, marche basique	4,400,000
Ingots — Total — Lingots	13,664,450
Steel castings — Moulages d'acier	418,925
Ingots and castings — Total — Lingots et moulages	14,083,375

TABLE 5. Pig Iron and Scrap Charged to Steel Furnaces

TABEAU 5. Charges de fonte en gueuses et de ferraille dans les fours d'acier

	September - Septembre		Year to date - Total cumulatif	
	1970	1971	1970	1971
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
Pig iron - Fonte en gueuses	623,667	620,405	6,120,536	5,750,845
Scrap - Ferraille:				
Own make - De propre fabrication	296,103	291,207	2,664,668	2,746,583
Purchased - Achetée	194,936	209,153	1,701,979	1,889,211
Pig iron and scrap - Total - Fonte en gueuses et ferraille	1,114,706	1,120,765	10,487,183	10,386,639

TABLE 6. Production and Shipments of Steel Ingots and Castings

TABEAU 6. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
<u>September - Septembre</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) - Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth - Four à sole, marche basique	815,016	21,438	821,397	8,193
Electric - Four électrique	141,930	25,778	143,700	40,154
Basic oxygen furnace - Four à oxygène, marche basique ...	(2)	(2)	(2)	(2)
Steel ingots - Total - Lingots d'acier	956,946	47,216	965,097	48,347
Continuous cast steel included in above - Moulages d'acier de coulée continue déclarés ci-dessus	110,892	x	112,395	x
Alloy steel ingots included in above - Lingots d'acier allié déclarés ci-dessus	96,441	x	90,002	x
<u>Steel castings (both carbon and alloy) - Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth - Four à sole, marche basique	-	-	-	-
Electric - Four électrique	17,328	18,009	18,143	17,116
Basic oxygen furnace - Four à oxygène, marche basique ...	-	-	-	-
Steel castings - Total - Moulages d'acier	17,328	18,009	18,143	17,116
<u>Alloy steel castings included in above - Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese, and abrasion resistant - Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	551	390	659	375
Manganese and abrasive resistant - Acier au manganèse et alliage résistant à l'abrasion	2,461	2,340	2,709	2,601
All other alloys - Tous autres alliages	766	990	726	703
Alloy castings - Total - Moulages d'acier allié	3,778	3,720	4,094	3,679

(1) Includes amounts for sale and for own use. - Inclus les quantités fabriquées pour vente et pour usage à l'usine. (2) Included with "Basic open hearth". - Inclus avec les moulages de "Four à sole, marche basique". (3) Included with "Electric". - Inclus avec "Four électrique".

TABLE 6A. Production and Shipments of Steel Ingots and Castings
TABLEAU 6A. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
<u>Year to date — Total cumulatif</u>	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth — Four à sole, marche basique	7,904,121	136,039	7,689,044	122,329
Electric — Four électrique	1,221,521	234,586	1,245,802	239,076
Basic oxygen furnace — Four à oxygène, marche basique	(2)	(2)	(2)	(2)
Steel ingots — Total — Lingots d'acier	9,125,642	370,625	8,934,846	361,405
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus	1,045,788	x	1,043,387	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	776,059	x	780,514	x
<u>Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth — Four à sole, marche basique	(3)	—	(3)	(3)
Electric — Four électrique	138,593	133,338	156,620	153,793
Basic oxygen furnace — Four à oxygène, marche basique	—	—	—	—
Steel castings — Total — Moulages d'acier	138,593	133,338	156,620	153,793
<u>Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistants à l'abrasion	5,829	3,846	6,157	3,710
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion	19,743	20,112	24,162	24,964
All other alloys — Tous autres alliages	7,008	7,533	7,219	7,476
Alloy castings — Total — Moulages d'acier allié	32,580	31,491	37,538	36,150

See footnote(s) at end of Table 6. — Voir renvoi(s) à la fin du Tableau 6.

TABLE 7. Disposition of Shipments(1) of Steel Castings
TABLEAU 7. Écoulement des expéditions(1) de moulages d'acier

	September — 1971 — Septembre		Year to date — Total cumulatif	
	Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
<u>net tons of 2,000 pounds — tonnes nettes de 2,000 livres</u>				
Wholesalers and warehouses — Commerce de gros et entrepôts	—	—	—	—
Export — Exportation	2,080	171	18,717	2,111
Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	288	—	3,268	—
Agricultural(2) — Agriculture(2)	57	50	570	276
Construction(3)	47	340	404	3,092
Machinery and tools — Machines et outils	2,134	355	15,884	4,609
Natural resources and extractive industries(4) — Industries des ressources naturelles et de l'extraction(4)	1,609	2,052	11,750	16,590
Railway operating — Matériel ferroviaire fixe	3,652	210	41,031	2,278
Railroad cars and locomotives — Matériel roulant de chemin de fer	2,733	276	21,137	4,357
Shipbuilding — Construction de navires	35	2	225	41
Miscellaneous(5) — Divers(5)	802	223	4,657	2,796
Total	13,437	3,679	117,643	36,150

(1) (a) Compiled by principal consuming industries according to the Steel Distribution Index revised January 1964. — Compilé par les principales industries de consommation, d'après le Steel Distribution Index révisé en janvier 1964. (b) Includes producers' own-make castings allocated to appropriate consuming industry. — Inclut les moulages d'acier de propre fabrication des fabricants affectés à l'industrie de consommation appropriée. (2) Including implement and equipment manufacturers. — Y compris les fabricants d'instruments et de matériel agricoles. (3) Including public works, public utilities and structural steel fabricators. — Y compris les travaux publics, les services d'utilité publique et les fabricants d'acier de charpente. (4) Including mining, lumbering, quarrying, oil and gas, including refineries, etc. — Y compris l'industrie minière, l'exploitation du bois-d'oeuvre, les carrières, le pétrole et le gaz, et les raffineries, etc. (5) Including grinding balls and railway car wheels. — Y compris les broyeurs à boulets et les roues des voitures et wagons de chemin de fer.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

TABLEAU 8. Production mensuelle de fonte en gueuses, de ferro-alliages et de lingots et moulages d'acier

	Pig iron — Fonte en gueuses	Ferro- alloys — Ferro- alliages	Steel — Acier		
			Ingots — Lingots	Castings — Moulages	Total steel — Acier
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>1970</u>					
January — Janvier	788,315	15,124	1,042,829	14,136	1,056,965
February — Février	721,075	15,534	973,253	14,973	988,226
March — Mars	815,211	19,017	1,078,812	15,718	1,094,530
April — Avril	783,074	16,645	1,037,231	16,911	1,054,142
May — Mai	794,136	15,627	1,063,555	16,511	1,080,066
June — Juin	756,542	19,689	1,017,287	17,091	1,034,378
July — Juillet	770,733	17,840	986,555	11,216	997,771
August — Août	738,009	15,788	969,174	14,709	983,883
September — Septembre	703,728	19,827	956,946	17,328	974,274
October — Octobre	741,942	17,850	1,039,287	17,479	1,056,766
November — Novembre	728,891	18,122	1,006,724	17,952	1,024,676
December — Décembre	744,299	18,493	982,759	17,696	1,000,455
Total	9,085,955	209,556	12,154,412	191,720	12,346,132
<u>1971</u>					
January — Janvier	697,562	16,025	993,706	17,499	1,011,205
February — Février	566,553	15,884	865,131	17,554	882,685
March — Mars	663,693	19,973	995,183	19,544	1,014,727
April — Avril	737,987	17,044	1,011,212	18,757	1,029,969
May — Mai	806,185	18,475	1,076,249	19,068	1,095,317
June — Juin	755,065	21,226	1,064,875	19,803	1,084,678
July — Juillet	726,271	16,572	981,396	10,578	991,974
August — Août	740,315	16,781	981,997	15,674	997,671
September — Septembre	725,707	18,559	965,097	18,143	983,240
October — Octobre					
November — Novembre					
December — Décembre					
Total					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

TABLEAU 9. Production et expéditions de tuyaux, tubes et raccords en acier

	1970		1971	
	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>September — Septembre</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	24,325	25,355	28,082	24,118
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	44,438	51,632	47,258	51,942
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	21,696	21,336	23,672	20,233
Total	90,459	98,323	99,012	96,293
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	255	294	106	171
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	525	620	706	772
Total	780	914	812	943
<u>Year to date — Total cumulatif</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	225,474	203,823	231,368	199,819
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	425,893	408,885	402,754	392,179
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	185,241	178,916	182,462	176,379
Total	836,608	791,624	816,584	768,377
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	1,077	1,545	875	1,285
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	5,451	6,035	6,258	7,181
Total	6,528	7,580	7,133	8,466

(1) Included with "Other". — Inclus avec "Autres".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products
TABLEAU 10. Production et écoulement des expéditions de produits de lingots et laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
<u>September — 1971 — Septembre</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	45,240	34,291	44,212	44,212	—
For forging and piercing — Pour forgeage et perforation	21,308	—	20,019	...	20,019
Rails	19,823	—	22,353	...	22,353
Wire rods — Fils machine	51,546	—	49,921	573	49,348
Structural shapes — Profilés de charpente:					
Heavy — Lourds	48,829	—	46,450	...	46,450
Bar-sized shapes — De la grosseur d'une barre	10,679	—	14,000	...	14,000
Concrete reinforcing bars — Barres d'armature ou ronds à béton	76,087	—	81,893	289	81,604
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	6,505	—	9,221	1,166	46,275
Other — Autres	39,052	—	38,220		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	—	—	6	...	6
Tie plates — Selles d'appui	2,996	—	2,885	...	2,885
Track spikes — Crampons de traverses de chemin de fer	132	—	134	...	134
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	93,073	—	96,472	500	95,972
Hot rolled sheets — Tôles laminées à chaud	127,915	—	133,694	3,965	129,729
Hot rolled strip — Feuillard laminé à chaud	38,336	—	35,555	77	35,478
Hot rolled products — Total — Produits laminés à chaud	581,521	34,291	595,035	50,782	544,253
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	6,015	—	6,238	...	6,238
Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard laminés à froid, autres laminés à froid et revêtus	157,313	—	154,844	1,865	152,979
Galvanized sheets — Tôles galvanisées	67,052	—	66,691	401	66,290
Cold rolled and coated — Total — Laminés à froid et revêtus	230,380	—	227,773	2,266	225,507
Carbon steel — Total — Acier au carbone	811,901	34,291	822,808	53,048	769,760
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	4,311	—	3,691	...	3,691
Alloy plates — Plaques d'alliage	7,890	—	7,290	...	7,290
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	22,207	—	22,759	14	22,745
Cold finished bars — Barres étirées à froid	557	—	554	...	554
Wire rods — Fils machine	1,093	—	1,093	...	1,093
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autre laminés à froid	7,111	774	8,273	12	8,261
Alloy steel — Total — Acier allié	43,169	774	43,660	26	43,634

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir in traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

TABLEAU 10A. Production et écoulement des expéditions de lingots et de laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>Year to date — Total cumulatif</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	486,962	172,317	463,247	336,721	126,526
For forging and piercing — Pour forgeage et perforation	202,721	—	178,025	...	178,025
Rails	210,088	—	200,575	...	200,575
Wire rods — Fils machine	445,253	—	445,279	3,696	441,583
Structural shapes — Profilés de charpente:					
Heavy — Lourds	419,979	—	417,821	...	417,821
Bar-sized shapes — De la grosseur d'une barre	110,008	—	104,239	...	104,239
Concrete reinforcing bars — Barres d'armature ou ronds à béton	550,278	—	570,911	791	570,120
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	61,886	—	93,231	13,353	413,222
Other — Autres	372,874	—	333,344		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	5,263	—	5,191	...	5,191
Tie plates — Selles d'appui	54,103	—	54,038	10	54,028
Track spikes — Crampons de traverses de chemin de fer	9,042	—	9,027	...	9,027
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	775,899	—	799,259	8,119	791,140
Hot rolled sheets — Tôles laminées à chaud	1,049,062	36,042	1,076,400	69,763	1,006,637
Hot rolled strip — Feuillard laminé à chaud	297,961	—	276,193	648	275,545
Hot rolled products — Total — Produits laminés à chaud	5,051,379	208,359	5,026,780	433,101	4,593,679
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	45,904	—	48,045	...	48,045
Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard laminés à froid, autres laminés à froid et revêtus	1,330,549	—	1,330,551	23,774	1,306,777
Galvanized sheets — Tôles galvanisées	527,103	—	526,829	3,184	523,645
Cold rolled and coated — Total — Laminés à froid et revêtus	1,903,556	—	1,905,425	26,958	1,878,467
Carbon steel — Total — Acier au carbone	6,954,935	208,359	6,932,205	460,059	6,472,146
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	43,880	—	44,510	...	44,510
Alloy plates — Plaques d'alliage	79,087	—	77,055	...	77,055
Other hot rolled bars including structurals — Autres Barres laminées à chaud y compris les barres de charpente	182,977	—	180,385	243	180,142
Cold finished bars — Barres étirées à froid	3,524	—	3,639	...	3,639
Wire rods — Fils machine	7,826	—	7,891	65	7,826
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autres laminés à froid	59,991	3,018	75,629	178	75,451
Alloy steel — Total — Acier allié	377,285	3,018	389,109	486	388,623

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

TABLEAU 11. Écoulement des expéditions nettes(1) de produits de laminages d'acier

SDI No. — N ^o du SDI		September — 1971 — Septembre		Year to date — Total cumulatif	
		Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
		net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
4a	Wholesalers and warehouses — Steel service centres — Commerce de gros et entrepôts — Centres de service de l'acier	97,088	2,649	798,673	20,767
b	Other warehouses — Autres entrepôts	12,159	15	94,387	164
6	Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	94,188	15,036	679,333	121,299
7	Agricultural — Agriculture	14,335	480	83,218	3,783
8a	Contractors — Building — Entrepreneurs — Construction	45,806	5	344,904	427
b	Construction — Public and utility — Travaux publics et service d'utilité publique	6,975	2	41,740	77
c	Structural steel fabricators — Fabricants d'acier de charpente	92,636	2,138	716,294	16,479
9	Containers — Conténants	45,622	66	427,348	262
10	Machinery and tools — Machines et outils	21,940	3,789	190,082	33,600
11	Wire, wire products and fasteners — Fil métallique, produits en fil métallique et attaches	47,480	1,711	405,807	9,325
12	Natural resources and extractive industries — Ressources naturelles et industries de l'extraction	12,356	5,358	123,329	24,127
13	Appliances and utensils — Appareils et ustensiles	17,223	97	138,591	968
14	Other metal stamping and pressing — Autres articles estampés et matricés	45,914	2,083	348,476	22,641
16	Railway operating — Matériel ferroviaire fixe	24,975	—	237,298	984
17	Railroad cars and locomotives — Matériel roulant de chemin de fer	11,831	2,526	67,436	7,903
18	Shipbuilding — Construction de navires	4,008	46	39,442	3,219
19	Pipes and tubes — Tuyaux et tubes	97,160	2,958	805,998	26,063
20	Miscellaneous — Divers	5,544	65	44,923	736
	Domestic shipments — Total — Expéditions au pays	697,240	39,024	5,587,279	292,824
5a	Export — For conversion and return — Exportation — Pour transformation et retour	—	251	—	7,050
b	Other export (for final sale) — Autres exportations (vente)				
i	USA — É.-U.	57,918	3,147	693,798	65,065
ii	Other countries — Autres pays	14,602	1,212	191,069	23,684
	Domestic and export shipments — Total — Expéditions et exportation au pays	769,760	43,634	6,472,146	388,623
	Production (for sale only) — Production (pour la vente seulement)	811,901	43,169	6,954,935	377,285
	Imports by producers (including conversion) — Importation par les fabricants (y compris la transformation)	34,291	774	208,359	3,018

(1) Compiled by principal consuming industries according to the "Steel Distribution Index", revised January 1964. — Compilé par les principales industries de consommation d'après le Steel Distribution Index révisé en janvier 1964.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
September 1971

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machine	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	16	250	—	8,445	2,767	19,746	8,489	42
b	Other warehouses	—	173	—	1,869	462	2,769	476	1
6	Automotive and aircraft industries	1,094	—	—	144	10	—	20,079	—
7	Agricultural	11	—	—	230	825	—	3,949	—
8a	Contractors — Building	—	—	—	1,244	173	6,601	478	27
b	Construction — Public and utility	—	—	—	1,453	—	4,059	165	4
c	Structural steel fabricators	—	19	648	23,997	7,034	33,009	6,940	4
9	Containers	—	—	—	—	—	—	46	—
10	Machinery and tools	—	—	937	1,359	231	78	2,634	—
11	Wire, wire products and fasteners	338	—	40,055	—	36	17	4,907	2
12	Natural resources and extractive industries.	274	502	—	987	55	501	12,115	9
13	Appliances and utensils	—	—	—	56	41	—	11	—
14	Other metal stamping and pressing	291	—	224	676	1,024	11,550	3,005	—
16	Railway operating	3	20,133	—	296	27	—	395	2,935
17	Railroad cars and locomotives	2,101	—	—	1,116	68	—	1,043	—
18	Shipbuilding	—	2	—	179	31	—	31	—
19	Pipes and tubes	15,627	—	9	—	—	—	—	—
20	Miscellaneous	3,620	—	222	4	—	398	139	—
	Total domestic shipments	23,375	21,079	42,095	42,055	12,784	78,728	64,902	3,024
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	335	1,274	5,156	4,395	1,216	2,876	3,772	—
if	Other countries	—	—	3,190	—	—	—	346	1
	Total domestic and export shipments.	23,710	22,353	50,441	46,450	14,000	81,604	69,020	3,025
	Production (for sale only)	70,859	19,823	52,639	48,829	10,679	76,087	67,764	3,128
	Imports by producers (including conversion).	34,291	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Septembre 1971

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus	Galvanized sheets — Tôles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
13,399	16,204	195	2,399	15,951	11,834	99,737	Commerce de gros et entrepôts - Centres de service de l'acier.	4a
1,030	2,653	200	—	2,334	207	12,174	Autres entrepôts	b
1,387	58,132	4,180	1,583	20,510	2,105	109,224	Industries de l'automobile et de l'aéronautique.	6
1,402	3,661	113	998	3,504	122	14,815	Agriculture	7
2,267	3,176	456	55	3,938	27,396	45,811	Entrepreneurs - Construction	8a
295	759	—	—	242	—	6,977	Construction - Travaux publics et service d'utilité publique.	b
15,918	2,554	1,029	29	476	3,117	94,774	Fabricants d'acier de charpente	c
148	186	42	—	45,019	247	45,688	Contenants	9
5,807	3,743	872	809	8,253	1,006	25,729	Machines et outils	10
326	1,644	75	154	1,439	198	49,191	Fil métallique, produits en fil métallique et attaches.	11
1,363	648	—	24	695	541	17,714	Industries des ressources naturelles et de l'extraction.	12
463	2,461	183	119	11,911	2,075	17,320	Appareils et ustensiles	13
2,001	4,962	413	349	16,428	7,074	47,997	Autres articles estampés et matricés ...	14
916	222	—	—	—	48	24,975	Matériel ferroviaire fixe	16
7,514	1,901	—	5	—	609	14,357	Matériel roulant de chemin de fer	17
3,641	141	—	8	21	—	4,054	Construction de navires	18
35,402	14,278	27,430	3	6,263	1,106	100,118	Tuyaux et tubes	19
—	—	—	57	1,169	—	5,609	Divers	20
93,279	117,325	35,188	6,592	138,153	57,685	736,264	Total, expéditions au pays	
—	—	—	—	251	—	251	Exportation - Pour transformation et retour.	5a
9,983	13,151	290	197	10,843	7,577	61,065	Autres exportation (vente)	b
—	—	—	3	11,246	1,028	15,814	E.-U.	i
							Autres pays	ii
103,262	130,476	35,478	6,792	160,493	66,290	813,394	Total, expéditions et exportation au pays.	
100,963	128,662	38,336	6,572	163,677	67,052	855,070	Production (pour la vente seulement)	
—	—	—	—	774	—	35,065	Importation par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Year to date

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machines	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	181	1,762	—	78,876	27,799	155,933	78,162	487
b	Other warehouses	530	803	—	15,708	3,985	13,833	4,579	28
6	Automotive and aircraft industries	14,904	—	465	761	132	60	157,518	—
7	Agricultural	207	—	—	2,166	3,463	21	24,117	—
8a	Contractors — Building	—	70	—	10,894	960	59,985	4,083	69
b	Construction — Public and utility	8	166	—	7,181	298	21,742	1,482	8
c	Structural steel fabricators	286	508	8,518	219,165	45,578	206,573	56,963	37
9	Containers	—	—	—	—	—	—	66	—
10	Machinery and tools	150	1,039	9,638	10,656	2,075	962	24,035	—
11	Wire, wire products and fasteners	5,496	—	325,980	89	1,909	222	48,081	2,875
12	Natural resources and extractive industries.	3,251	13,100	33	7,850	424	5,923	85,530	1,698
13	Appliances and utensils	—	—	—	459	134	—	511	—
14	Other metal stamping and pressing	2,836	372	1,512	2,875	4,198	89,975	28,863	14
16	Railway operating	54	160,085	—	3,216	345	1	4,155	61,631
17	Railroad cars and locomotives	16,262	—	—	6,988	337	—	4,127	—
18	Shipbuilding	115	15	—	4,493	195	—	1,174	—
19	Pipes and tubes	136,441	—	219	—	—	54	307	—
20	Miscellaneous	27,910	—	2,392	149	271	2,886	2,362	294
	Total domestic shipments	208,631	177,920	348,757	371,526	92,103	558,170	526,115	67,141
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	82,020	15,935	72,527	46,295	12,136	11,009	50,983	837
ii	Other countries	58,410	6,720	28,125	—	—	941	16,266	268
	Total domestic and export shipments.	349,061	200,575	449,409	417,821	104,239	570,120	593,364	68,246
	Production (for sale only)	733,563	210,088	453,079	419,979	110,008	550,278	617,737	68,408
	Imports by producers (including conversion).	172,317	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12A. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Total cumulatif								N° du SDI
Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus	Gal- vanized sheets — Tôles galvani- sées	Total		
tonnes nettes de 2,000 livres								
111,751	125,195	1,915	17,427	125,738	94,214	819,440	Commerce de gros et entrepôts — Centres de service de l'acier.	4a
10,177	25,287	1,231	—	16,408	1,982	94,551	Autres entrepôts	b
10,826	397,847	25,561	12,889	161,264	18,405	800,632	Industries de l'automobile et de l'aéronautique.	6
8,352	24,589	1,279	5,546	15,378	1,883	87,001	Agriculture	7
13,755	26,078	4,119	229	29,603	195,486	345,331	Entrepreneurs — Construction	8a
2,781	6,612	—	—	1,470	69	41,817	Construction — Travaux publics et service d'utilité publique.	b
129,993	24,757	8,089	597	6,272	25,437	732,773	Fabricants d'acier de charpente	c
1,028	5,122	699	—	419,286	1,409	427,610	Contenants	9
46,082	31,845	6,064	7,144	72,773	11,219	223,682	Machines et outils	10
3,665	12,953	308	1,557	10,398	1,599	415,132	Fil métallique, produits en fil métal- lique et attachés.	11
15,269	5,457	73	191	5,253	3,404	147,456	Industries des ressources naturelles et de l'extraction.	12
4,493	17,811	1,130	1,254	95,579	18,188	139,559	Appareils et ustensiles	13
23,291	34,527	3,393	2,226	122,001	55,034	371,117	Autres articles estampés et matricés ...	14
7,164	1,140	118	106	51	216	238,282	Matériel ferroviaire fixe	16
37,785	7,986	—	39	2	1,813	75,339	Matériel roulant de chemin de fer	17
36,092	497	—	24	21	35	42,661	Construction de navires	18
292,953	121,164	216,819	93	58,578	5,433	832,061	Tuyaux et tubes	19
388	261	—	612	7,789	345	45,659	Divers	20
755,845	869,128	270,798	49,934	1,147,864	436,171	5,880,103	Total, expéditions au pays	
—	—	—	—	7,050	—	7,050	Exportation — Pour transformation et retour.	5a
112,055	139,214	4,747	1,521	139,551	70,033	758,863	<u>Autres exportation (vente)</u>	b
295	4,205	—	229	81,853	17,441	214,753	É.-U.	i
							Autres pays	ii
868,195	1,012,547	275,545	51,684	1,376,318	523,645	6,860,769	Total, expéditions et exportation au pays.	
854,986	1,054,972	297,961	49,428	1,384,630	527,103	7,332,220	Production (pour la vente seulement)	
—	36,042	—	—	3,018	—	211,377	Importations par les fabricants (y compris la transformation).	

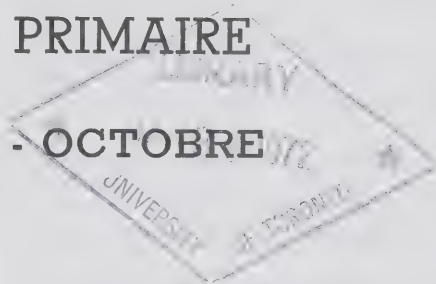
(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.



PRIMARY IRON AND STEEL

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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

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Note: The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

SIGNES CONVENTIONNELS

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Nota: Les termes expéditions, expéditions nettes, utilisés dans cette publication, se rapportent aux expéditions des producteurs.

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TABLE 1. Pig Iron Capacity, January 1, 1971

TABLEAU 1. Capacité de fonte en gueuses, 1^{er} janvier 1971

	In blast or in use — En activité		Banked, blown out or idle — Vide, hors feu ou chômant	
	Furnaces — Fours	Annual capacity — Capacité annuelle	Furnaces — Fours	Annual capacity — Capacité annuelle
	No. — nomb.	net tons — tonnes nettes	No. — nomb.	net tons — tonnes nettes
Blast furnaces — Hauts fourneaux	15	10,625,000	1	150,000
Electric furnaces — Fours électriques	11	710,000	—	—
Total	26	11,335,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

TABLEAU 2. Charges des hauts fourneaux de fer(1)

	October — 1971 — Octobre	Year to date — Total cumulatif
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Crude iron ore — Minerai de fer brut</u>		
From Canadian mines — Des mines canadiennes	2,626	82,565
From foreign mines — Des mines étrangères	19,613	253,207
Pyrite cinder — Cendre de pyrite	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.) — Minerai de fer sinter, bouletté, etc.)</u>		
From Canadian mines — Des mines canadiennes	892,731	7,635,619
From foreign mines — Des mines étrangères	120,623	1,453,468
From own processing — De propre traitement	87,247	967,141
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.)	12,315	144,457
Scrap iron and steel — Ferraille de fer et d'acier	2,470	113,770
Limestone — Pierre calcaire	37,611	353,945
Dolomite — Dolomie	45,824	377,156
Coke	363,042	3,590,608

(1) Does not include charges into furnaces used in the smelting of titanium ores. — Ne comprend pas les charges des fours utilisées pour l'affinage des minerais de titane.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.). — Inclus avec les scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

TABLEAU 3. Production et expéditions de fonte en gueuses et de ferro-alliages

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>October — Octobre</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	681,644	2,498	691,695	5,046
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	60,298	63,109	71,777	53,371
Malleable — Malléable	(3)	(3)	(3)	(3)
Pig iron — Total — Fonte en gueuses	741,942	65,607	763,472	58,417
Ferro-alloys — Ferro-alliages	17,850	17,943	17,527	15,335
Stocks of pig iron on hand at end of month — Stocks de fonte en gueuses à la fin du mois	247,244		346,209	
<u>Year to date — Total cumulatif</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	6,956,237	43,510	6,547,375	39,997
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	656,528	648,141	635,435	566,461
Malleable — Malléable	(3)	(3)	(3)	(3)
Pig iron — Total — Fonte en gueuses	7,612,765	691,651	7,182,810	606,458
Ferro-alloys — Ferro-alliages	172,941	184,602	178,066	167,804

- (1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine.
 (2) Includes the re-melt iron product produced in connection with the smelting of titanium ores. — Inclus les produits ferreux obtenus lors de l'affinage des minerais de titane.
 (3) Included with "Foundry". — Inclus avec "La Fonderie".

TABLE 4. Steel Furnace Capacity, January 1, 1971

TABLEAU 4. Capacité des fours d'acier, 1^{er} janvier 1971

	Annual capacity — Capacité annuelle
net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Ingots — Lingots</u>	
Basic open hearth — Four à sole, marche basique	6,970,000
Electric — Four électrique	2,294,450
Basic oxygen furnace — Four à oxygène, marche basique	4,400,000
Ingots — Total — Lingots	13,664,450
Steel castings — Moulages d'acier	418,925
Ingots and castings — Total — Lingots et moulages	14,083,375

TABLE 5. Pig Iron and Scrap Charged to Steel Furnaces

TABEAU 5. Charges de fonte en gueuses et de ferraille dans les fours d'acier

	October — Octobre		Year to date — Total cumulatif	
	1970	1971	1970	1971
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
Pig iron — Fonte en gueuses	673,684	665,661	6,794,220	6,416,506
Scrap — Ferraille:				
Own make — De propre fabrication	297,424	326,734	2,962,092	3,073,317
Purchased — Achetée	237,720	209,769	1,939,699	2,098,980
Pig iron and scrap — Total — Fonte en gueuses et ferraille	1,208,828	1,202,164	11,696,011	11,588,803

TABLE 6. Production and Shipments of Steel Ingots and Castings

TABEAU 6. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>October — Octobre</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth — Four à sole, marche basique	900,893	9,298	885,561	11,632
Electric — Four électrique	138,394	33,190	151,724	33,076
Basic oxygen furnace — Four à oxygène, marche basique ...	(2)	(2)	(2)	(2)
Steel ingots — Total — Lingots d'acier	1,039,287	42,488	1,037,285	44,708
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus	122,188	x	122,986	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	94,591 ^F	x	85,406	x
<u>Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth — Four à sole, marche basique	(3)	(3)	—	—
Electric — Four électrique	17,479	14,585	16,130	14,792
Basic oxygen furnace — Four à oxygène, marche basique ...	—	—	—	—
Steel castings — Total — Moulages d'acier	17,479	14,585	16,130	14,792
<u>Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese, and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	632	426	685	554
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion	2,254	2,201	2,749	2,507
All other alloys — Tous autres alliages	772	791	654	482
Alloy castings — Total — Moulages d'acier allié	3,658	3,418	4,088	3,543

(1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine. (2) Included with "Basic open hearth". — Inclus avec les moulages de "Four à sole, marche basique". (3) Included with "Electric". — Inclus avec "Four électrique".

TABLE 6A. Production and Shipments of Steel Ingots and Castings
TABLEAU 6A. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
Year to date — Total cumulatif				
Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)				
Basic open hearth — Four à sole, marche basique	8,805,014	145,337	8,574,605	133,961
Electric — Four électrique	1,359,915	267,776	1,397,526	272,152
Basic oxygen furnace — Four à oxygène, marche basique	(2)	(2)	(2)	(2)
Steel ingots — Total — Lingots d'acier	10,164,929	413,113	9,972,131	406,113
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus	1,167,976	x	1,166,373	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	870,650 ^F	x	865,920	x
Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)				
Basic open hearth — Four à sole, marche basique	(3) 156,072	(3) 147,923	(3) 172,750	(3) 168,585
Electric — Four électrique	—	—	—	—
Basic oxygen furnace — Four à oxygène, marche basique	—	—	—	—
Steel castings — Total — Moulages d'acier	156,072	147,923	172,750	168,585
Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus				
High alloy, except manganese and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	6,461	4,272	6,842	4,264
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion	21,997	22,313	26,911	27,471
All other alloys — Tous autres alliages	7,780	8,324	7,873	7,958
Alloy castings — Total — Moulages d'acier allié	36,238	34,909	41,626	39,693

See footnote(s) at end of Table 6. — Voir renvoi(s) à la fin du Tableau 6.

TABLE 7. Disposition of Shipments(1) of Steel Castings
TABLEAU 7. Écoulement des expéditions(1) de moulages d'acier

	October — 1971 — Octobre		Year to date — Total cumulatif	
	Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
Wholesalers and warehouses — Commerce de gros et entrepôts	—	—	—	—
Export — Exportation	2,935	337	21,652	2,448
Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	284	—	3,552	—
Agricultural(2) — Agriculture(2)	53	50	623	326
Construction(3)	42	268	446	3,360
Machinery and tools — Machines et outils	1,815	436	17,699	5,045
Natural resources and extractive industries(4) — Industries des ressources naturelles et de l'extraction(4)	1,489	1,899	13,239	18,489
Railway operating — Matériel ferroviaire fixe	2,203	131	43,234	2,409
Railroad cars and locomotives — Matériel roulant de chemin de fer	1,907	218	23,044	4,575
Shipbuilding — Construction de navires	17	3	242	44
Miscellaneous(5) — Divers(5)	504	201	5,161	2,997
Total	11,249	3,543	128,892	39,693

(1) (a) Compiled by principal consuming industries according to the Steel Distribution Index revised January 1964. — Compilé par les principales industries de consommation, d'après le Steel Distribution Index révisé en janvier 1964. (b) Includes producers' own-make castings allocated to appropriate consuming industry. — Inclut les moulages d'acier de propre fabrication des fabricants affectés à l'industrie de consommation appropriée. (2) Including implement and equipment manufacturers. — Y compris les fabricants d'instruments et de matériel agricoles. (3) Including public works, public utilities and structural steel fabricators. — Y compris les travaux publics, les services d'utilité publique et les fabricants d'acier de charpente. (4) Including mining, lumbering, quarrying, oil and gas, including refineries, etc. — Y compris l'industrie minière, l'exploitation du bois-d'oeuvre, les carrières, le pétrole et le gaz, et les raffineries, etc. (5) Including grinding balls and railway car wheels. — Y compris les broyeurs à boulets et les roues des voitures et wagons de chemin de fer.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings
TABLEAU 8. Production mensuelle de fonte en gueuses, de ferro-alliages et de lingots et moulages d'acier

	Pig iron — Fonte en gueuses	Ferro- alloys — Ferro- alliages	Steel — Acier		
			Ingots — Lingots	Castings — Moulages	Total steel — Acier
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>1970</u>					
January — Janvier	788,315	15,124	1,042,829	14,136	1,056,965
February — Février	721,075	15,534	973,253	14,973	988,226
March — Mars	815,211	19,017	1,078,812	15,718	1,094,530
April — Avril	783,074	16,645	1,037,231	16,911	1,054,142
May — Mai	794,136	15,627	1,063,555	16,511	1,080,066
June — Juin	756,542	19,689	1,017,287	17,091	1,034,378
July — Juillet	770,733	17,840	986,555	11,216	997,771
August — Août	738,009	15,788	969,174	14,709	983,883
September — Septembre	703,728	19,827	956,946	17,328	974,274
October — Octobre	741,942	17,850	1,039,287	17,479	1,056,766
November — Novembre	728,891	18,122	1,006,724	17,952	1,024,676
December — Décembre	744,299	18,493	982,759	17,696	1,000,455
Total	9,085,955	209,556	12,154,412	191,720	12,346,132
<u>1971</u>					
January — Janvier	697,562	16,025	993,706	17,499	1,011,205
February — Février	566,553	15,884	865,131	17,554	882,685
March — Mars	663,693	19,973	995,183	19,544	1,014,727
April — Avril	737,987	17,044	1,011,212	18,757	1,029,969
May — Mai	806,185	18,475	1,076,249	19,068	1,095,317
June — Juin	755,065	21,226	1,064,875	19,803	1,084,678
July — Juillet	726,271	16,572	981,396	10,578	991,974
August — Août	740,315	16,781	981,997	15,674	997,671
September — Septembre	725,707	18,559	965,097	18,143	983,240
October — Octobre	763,472	17,527	1,037,285	16,130	1,053,415
November — Novembre					
December — Décembre					
Total					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

TABEAU 9. Production et expéditions de tuyaux, tubes et raccords en acier

	1970		1971	
	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>October — Octobre</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	27,098	25,182	22,876	30,119
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	32,563	37,594	49,941	65,164
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	20,024	17,466	20,567	19,961
Total	79,685	80,242	93,384	115,244
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	89	147	90	136
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	685	725	630	777
Total	774	872	720	913
<u>Year to date — Total cumulatif</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	252,572	229,005	254,244	229,938
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	458,456	446,479	452,695	457,343
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	205,265	196,382	203,029	196,340
Total	916,293	871,866	909,968	883,621
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	1,166	1,692	965	1,421
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	6,136	6,760	6,888	7,958
Total	7,302	8,452	7,853	9,379

(1) Included with "Other". — Inclus avec "Autres".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products
TABLEAU 10. Production et écoulement des expéditions de produits de lingots et laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
<u>October — 1971 — Octobre</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	48,200	19,040	55,436	44,181	11,255
For forging and piercing — Pour forgeage et perforation	30,378	—	24,102	...	24,102
Rails	29,428	—	30,870	...	30,870
Wire rods — Fils machine	47,036	—	47,297	204	47,093
Structural shapes — Profilés de charpente:					
Heavy — Lourds	49,159	—	51,075	...	51,075
Bar-sized shapes — De la grosseur d'une barre	15,039	—	11,334	...	11,334
Concrete reinforcing bars — Barres d'armature ou ronds à béton	63,508	—	63,340	400	62,940
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plats	4,209	—	12,252)		
Other — Autres	38,672	—	33,295)	1,489	44,058
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	—	—	27	...	27
Tie plates — Selles d'appui	4,390	—	4,360	...	4,360
Track spikes — Crampons de traverses de chemin de fer	755	—	753	...	753
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	97,857	—	98,180	513	97,667
Hot rolled sheets — Tôles laminées à chaud	133,190	11,296	126,679	2,481	124,198
Hot rolled strip — Feuillard laminé à chaud	33,882	—	53,014	108	52,906
Hot rolled products — Total — Produits laminés à chaud	595,703	30,336	612,014	49,376	562,638
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	4,709	—	4,711	...	4,711
Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard laminés à froid, autres laminées à froid et revêtus	143,832	—	134,504	3,241	131,263
Galvanized sheets — Tôles galvanisées	68,038	—	64,142	566	63,576
Cold rolled and coated — Total — Laminés à froid et revêtus	216,579	—	203,357	3,807	199,550
Carbon steel — Total — Acier au carbone	812,282	30,336	815,371	53,183	762,188
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	3,074	—	4,023	...	4,023
Alloy plates — Plaques d'alliage	12,039	—	11,842	...	11,842
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	23,851	—	22,608	16	22,592
Cold finished bars — Barres étirées à froid	627	—	594	...	594
Wire rods — Fils machine	574	—	574	...	574
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autre laminés à froid	7,733	256	8,762	...	8,762
Alloy steel — Total — Acier allié	47,898	256	48,403	16	48,387

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir in traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products
TABLEAU 10A. Production et écoulement des expéditions de lingots et de laminages d'acier

	Production	Imports — Importations	All shipments — Total (1) — Des expéditions	Shipments for further processing (1) — Expéditions pour traitement ultérieur (1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
<u>Year to date — Total cumulatif</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	535,162	191,357	518,683	380,902	137,781
For forging and piercing — Pour forgeage et perforation	233,099	—	202,127	...	202,127
Rails	239,516	—	231,445	...	231,445
Wire rods — Fils machine	492,289	—	492,576	3,900	488,676
Structural shapes — Profilés de charpente:					
Heavy — Lourds	469,138	—	468,896	...	468,896
Bar-sized shapes — De la grosseur d'une barre	125,047	—	115,573	...	115,573
Concrete reinforcing bars — Barres d'armature ou ronds à béton	613,786	—	634,251	1,191	633,060
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	66,095	—	105,483	...	...
Other — Autres	411,546	—	366,639	14,842	457,280
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	5,263	—	5,218	...	5,218
Tie plates — Selles d'appui	58,493	—	58,398	10	58,388
Track spikes — Crampons de traverses de chemin de fer	9,797	—	9,780	...	9,780
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	873,756	—	897,439	8,632	888,807
Hot rolled sheets — Tôles laminées à chaud	1,182,252	47,338	1,203,079	72,244	1,130,835
Hot rolled strip — Feuillard laminé à chaud	331,843	—	329,207	756	328,451
Hot rolled products — Total — Produits laminés à chaud	5,647,082	238,695	5,638,794	482,477	5,156,317
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	50,613	—	52,756	...	52,756
Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard laminés à froid autres laminés à froid et revêtus	1,474,381	—	1,465,055	27,015	1,438,040
Galvanized sheets — Tôles galvanisées	595,141	—	590,971	3,750	587,221
Cold rolled and coated — Total — Laminés à froid et revêtus	2,120,135	—	2,108,782	30,765	2,078,017
Carbon steel — Total — Acier au carbone	7,767,217	238,695	7,747,576	513,242	7,234,334
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	46,954	—	48,533	...	48,533
Alloy plates — Plaques d'alliage	91,126	—	88,897	...	88,897
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	206,828	—	202,993	259	202,734
Cold finished bars — Barres étirées à froid	4,151	—	4,233	...	4,233
Wire rods — Fils machine	8,400	—	8,465	65	8,400
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autres laminés à froid	67,724	3,274	84,391	178	84,213
Alloy steel — Total — Acier allié	425,183	3,274	437,512	502	437,010

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

TABLEAU 11. Écoulement des expéditions nettes(1) de produits de laminages d'acier

SDI No. — N ^o du SDI		October — 1971 — Octobre		Year to date — Total cumulatif	
		Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
		net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
4a	Wholesalers and warehouses — Steel service centres — Commerce de gros et entrepôts — Centres de service de l'acier	98,780	2,847	897,453	23,614
b	Other warehouses — Autres entrepôts	11,485	—	105,872	164
6	Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	85,914	16,538	765,247	137,837
7	Agricultural — Agriculture	14,248	674	97,466	4,457
8a	Contractors — Building — Entrepreneurs — Construction	44,062	163	388,966	590
b	Construction — Public and utility — Travaux publics et service d'utilité publique	3,935	4	45,675	81
c	Structural steel fabricators — Fabricants d'acier de charpente	83,229	4,729	799,523	21,208
9	Containers — Contenants	35,322	51	462,670	313
10	Machinery and tools — Machines et outils	22,821	4,110	212,903	37,710
11	Wire, wire products and fasteners — Fil métallique, produits en fil métallique et attaches	50,066	698	455,873	10,023
12	Natural resources and extractive industries — Ressources naturelles et industries de l'extraction	12,841	1,936	136,170	26,063
13	Appliances and utensils — Appareils et ustensiles	17,125	113	155,716	1,081
14	Other metal stamping and pressing — Autres articles estampés et matricés	39,745	2,886	388,221	25,527
16	Railway operating — Matériel ferroviaire fixe	29,694	—	266,992	984
17	Railroad cars and locomotives — Matériel roulant de chemin de fer	8,906	3,597	76,342	11,500
18	Shipbuilding — Construction de navires	3,542	110	42,984	3,329
19	Pipes and tubes — Tuyaux et tubes	121,023	3,188	927,021	29,251
20	Miscellaneous — Divers	5,910	72	50,833	808
	Domestic shipments — Total — Expéditions au pays	688,648	41,716	6,275,927	334,540
5a	Export — For conversion and return — Exportation — Pour transformation et retour	—	186	—	7,236
b	Other export (for final sale) — Autres exportations (vente)				
i	USA — É.-U.	44,246	4,710	738,044	69,775
ii	Other countries — Autres pays	29,294	1,775	220,363	25,459
	Domestic and export shipments — Total — Expéditions et exportation au pays	762,188	48,387	7,234,334	437,010
	Production (for sale only) — Production (pour la vente seulement)	812,282	47,898	7,767,217	425,183
	Imports by producers (including conversion) — Importation par les fabricants (y compris la transformation)	30,336	256	238,695	3,274

(1) Compiled by principal consuming industries according to the "Steel Distribution Index", revised January 1964. — Compilé par les principales industries de consommation d'après le Steel Distribution Index révisé en janvier 1964.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

October 1971

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machine	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	22	253	—	10,510	2,415	17,594	10,008	26
b	Other warehouses	149	42	—	1,576	752	1,134	560	4
6	Automotive and aircraft industries	715	—	—	86	3	—	20,261	—
7	Agricultural	8	—	—	621	561	—	3,492	—
8a	Contractors — Building	—	70	—	1,218	150	8,612	987	25
b	Construction — Public and utility	—	—	—	182	—	2,221	384	3
c	Structural steel fabricators	—	39	153	26,735	5,077	22,035	7,150	19
9	Containers	—	—	—	—	—	—	—	—
10	Machinery and tools	—	—	1,378	1,545	135	20	2,824	—
11	Wire, wire products and fasteners	908	—	40,767	—	—	20	4,270	227
12	Natural resources and extractive industries.	404	281	—	828	75	892	7,941	516
13	Appliances and utensils	—	—	—	4	3	—	48	—
14	Other metal stamping and pressing	170	(— 1)	94	466	844	9,947	2,229	—
16	Railway operating	13	23,006	—	665	94	—	250	4,317
17	Railroad cars and locomotives	3,653	—	—	261	61	—	378	—
18	Shipbuilding	—	—	—	313	8	—	56	—
19	Pipes and tubes	18,432	—	146	—	—	—	100	—
20	Miscellaneous	3,603	—	395	4	—	409	164	3
	Total domestic shipments	28,077	23,690	42,933	45,014	10,178	62,884	61,102	5,140
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	257	463	2,865	6,061	1,156	—	5,039	—
ii	Other countries	11,046	6,717	1,869	—	—	56	509	—
	Total domestic and export shipments.	39,380	30,870	47,667	51,075	11,334	62,940	66,650	5,140
	Production (for sale only)	81,652	29,428	47,610	49,159	15,039	63,508	66,732	5,145
	Imports by producers (including conversion).	19,040	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Octobre 1971

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Toles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated — Toles et feuillard, laminés à froid, autres laminés à froid et revêtus	Galvanized sheets — Toles galvanisées	Total		n° du SDI
tonnes nettes de 2,000 livres								
13,914	16,411	120	1,938	16,101	12,315	101,627	Commerce de gros et entrepôts - Centres de service de l'acier.	4a
1,358	3,378	732	—	1,662	138	11,485	Autres entrepôts	b
2,094	54,209	3,275	1,062	18,329	2,418	102,452	Industries de l'automobile et de l'aéronautique.	6
1,641	4,390	260	635	3,119	195	14,922	Agriculture	7
1,821	3,382	892	40	3,764	23,264	44,225	Entrepreneurs - Construction	8a
412	549	—	—	188	—	3,939	Construction - Travaux publics et service d'utilité publique.	b
18,124	3,537	623	37	1,532	2,897	87,958	Fabricants d'acier de charpente	c
201	749	57	—	34,292	74	35,373	Contenants	9
5,415	4,198	1,219	706	8,211	1,280	26,931	Machines et outils	10
87	2,285	—	227	1,855	118	50,764	Fil métallique, produits en fil métallique et attaches.	11
2,002	1,045	—	3	354	436	14,777	Industries des ressources naturelles et de l'extraction.	12
446	2,221	182	122	12,223	1,989	17,238	Appareils et ustensiles	13
2,735	5,112	379	221	14,038	6,397	42,631	Autres articles estampés et matricés ...	14
946	373	—	—	—	30	29,694	Matériel ferroviaire fixe	16
6,699	1,304	—	16	53	78	12,503	Matériel roulant de chemin de fer	17
2,858	399	—	—	18	—	3,652	Construction de navires	18
38,159	14,788	45,089	5	6,544	948	124,211	Tuyaux et tubes	19
—	—	—	74	1,273	57	5,982	Divers	20
98,912	118,330	52,828	5,086	123,556	52,634	730,364	Total, expéditions au pays	
—	—	—	—	186	—	186	Exportation - Pour transformation et retour.	5a
10,597	7,040	78	211	6,968	8,221	48,956	Autres exportation (vente) É.-U.	b i
—	—	—	8	8,143	2,721	31,069	Autres pays	ii
109,509	125,370	52,906	5,305	138,853	63,576	810,575	Total, expéditions et exportation au pays.	
109,896	134,362	33,882	5,336	150,393	68,038	860,180	Production (pour la vente seulement)	
—	11,296	—	—	256	—	30,592	Importation par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Year to date

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machines	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	203	2,015	—	89,386	30,214	173,527	88,170	513
b	Other warehouses	679	845	—	17,284	4,737	14,967	5,139	32
6	Automotive and aircraft industries	15,619	—	465	847	135	60	177,779	—
7	Agricultural	215	—	—	2,787	4,024	21	27,609	—
8a	Contractors — Building	—	140	—	12,112	1,110	68,597	5,070	94
b	Construction — Public and utility	8	166	—	7,363	298	23,963	1,866	11
c	Structural steel fabricators	286	547	8,671	245,900	50,655	228,608	64,113	56
9	Containers	—	—	—	—	—	—	66	—
10	Machinery and tools	150	1,039	11,016	12,201	2,210	982	26,859	—
11	Wire, wire products and fasteners	6,404	—	366,747	89	1,909	242	52,351	3,102
12	Natural resources and extractive industries.	3,655	13,381	33	8,678	499	6,815	93,471	2,214
13	Appliances and utensils	—	—	—	463	137	—	559	—
14	Other metal stamping and pressing	3,006	371	1,606	3,341	5,042	99,922	31,092	14
16	Railway operating	67	183,091	—	3,881	439	1	4,405	65,948
17	Railroad cars and locomotives	19,915	—	—	7,249	398	—	4,505	—
18	Shipbuilding	115	15	—	4,806	203	—	1,230	—
19	Pipes and tubes	154,873	—	365	—	—	54	407	—
20	Miscellaneous	31,513	—	2,787	153	271	3,295	2,526	297
	Total domestic shipments	236,708	201,610	391,690	416,540	102,281	621,054	587,217	72,281
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	82,277	16,398	75,392	52,356	13,292	11,009	56,022	837
ii	Other countries	69,456	13,437	29,994	—	—	997	16,775	268
	Total domestic and export shipments.	388,441	231,445	497,076	468,896	115,573	633,060	660,014	73,386
	Production (for sale only)	815,215	239,516	500,689	469,138	125,047	613,786	684,469	73,553
	Imports by producers (including conversion).	191,357	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12A. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Total cumulatif

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus	Galvanized sheets — Tôles galvanisées	Total		Nº du SDI
tonnes nettes de 2,000 livres								
125,665	141,606	2,035	19,365	141,839	106,529	921,067	Commerce de gros et entrepôts — Centres de service de l'acier.	4a
11,535	28,665	1,963	—	18,070	2,120	106,036	Autres entrepôts	b
12,920	452,056	28,836	13,951	179,593	20,823	903,084	Industries de l'automobile et de l'aéronautique.	6
9,993	28,979	1,539	6,181	18,497	2,078	101,923	Agriculture	7
15,576	29,460	5,011	269	33,367	218,750	389,556	Entrepreneurs — Construction	8a
3,193	7,161	—	—	1,658	69	45,756	Construction — Travaux publics et service d'utilité publique.	b
148,117	28,294	8,712	634	7,804	28,334	820,731	Fabricants d'acier de charpente	c
1,229	5,871	756	—	453,578	1,483	462,983	Contenants	9
51,497	36,043	7,283	7,850	80,984	12,499	250,613	Machines et outils	10
3,752	15,238	308	1,784	12,253	1,717	465,896	Fil métallique, produits en fil métallique et attachés.	11
17,271	6,502	73	194	5,607	3,840	162,233	Industries des ressources naturelles et de l'extraction.	12
4,939	20,032	1,312	1,376	107,802	20,177	156,797	Appareils et ustensiles	13
26,026	39,639	3,772	2,447	136,039	61,431	413,748	Autres articles estampés et matricés ...	14
8,110	1,513	118	106	51	246	267,976	Matériel ferroviaire fixe	16
44,484	9,290	—	55	55	1,891	87,842	Matériel roulant de chemin de fer	17
38,950	896	—	24	39	35	46,313	Construction de navires	18
331,112	135,952	261,908	98	65,122	6,381	956,272	Tuyaux et tubes	19
388	261	—	686	9,062	402	51,641	Divers	20
854,757	987,458	323,626	55,020	1,271,420	488,805	6,610,467	Total, expéditions au pays	
—	—	—	—	7,236	—	7,236	Exportation — Pour transformation et retour.	5a
122,652	146,254	4,825	1,732	146,519	78,254	807,819	Autres exportation (vente)	b
295	4,205	—	237	89,996	20,162	245,822	É.-U.	i
							Autres pays	ii
977,704	1,137,917	328,451	56,989	1,515,171	587,221	7,671,344	Total, expéditions et exportation au pays.	
964,882	1,189,334	331,843	54,764	1,535,023	595,141	8,192,400	Production (pour la vente seulement)	
—	47,338	—	—	3,274	—	241,969	Importations par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.



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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- P preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

Note: The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

SIGNES CONVENTIONNELS

Les signes conventionnels suivants sont employés uniformément dans les publications du Bureau fédéral de la statistique:

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- r nombres rectifiés.
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Nota: Les termes expéditions, expéditions nettes, utilisés dans cette publication, se rapportent aux expéditions des producteurs.

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TABLE 1. Pig Iron Capacity, January 1, 1971

TABLEAU 1. Capacité de fonte en gueuses, 1^{er} janvier 1971

	In blast or in use — En activité		Banked, blown out or idle — Vide, hors feu ou chômant	
	Furnaces — Fours	Annual capacity — Capacité annuelle	Furnaces — Fours	Annual capacity — Capacité annuelle
	No. — nomb.	net tons — tonnes nettes	No. — nomb.	net tons — tonnes nettes
Blast furnaces — Hauts fourneaux	15	10,625,000	1	150,000
Electric furnaces — Fours électriques	11	710,000	—	—
Total	26	11,335,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

TABLEAU 2. Charges des hauts fourneaux de fer(1)

	November — 1971 — Novembre	Year to date — Total cumulatif
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Crude iron ore — Minerai de fer brut</u>		
From Canadian mines — Des mines canadiennes	2,200	84,765
From foreign mines — Des mines étrangères	21,172	274,379
Pyrite cinder — Cendre de pyrite	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.) — Minerai de fer sinter, bouletté, etc.)</u>		
From Canadian mines — Des mines canadiennes	823,469	8,549,730(3)
From foreign mines — Des mines étrangères	80,501	1,476,031(3)
From own processing — De propre traitement	94,634	1,061,775
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.)	12,690	157,147
Scrap iron and steel — Ferraille de fer et d'acier	1,127	114,897
Limestone — Pierre calcaire	32,562	386,507
Dolomite — Dolomie	43,433	420,589
Coke	314,455	3,905,063

(1) Does not include charges into furnaces used in the smelting of titanium ores. — Ne comprend pas les charges des fours utilisées pour l'affinage des minerais de titane.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.). — Inclus avec les scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.).

(3) Includes revisions from June to October, 1971. — Inclus les chiffres rectifiés de juin à octobre 1971.

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

TABEAU 3. Production et expéditions de fonte en gueuses et de ferro-alliages

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>November — Novembre</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	655,237	3,343	622,003	4,777
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	73,654 (3)	67,201 (3)	71,217 (3)	49,780 (3)
Malleable — Malléable				
Pig iron — Total — Fonte en gueuses	728,891	70,544	693,220	54,557
Ferro-alloys — Ferro-alliages	18,122	15,721	16,116	19,011
Stocks of pig iron on hand at end of month — Stocks de fonte en gueuses à la fin du mois	257,732		353,055	
<u>Year to date — Total cumulatif</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	7,611,474	46,853	7,169,378	44,774
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	730,182 (3)	715,342 (3)	706,652 (3)	616,241 (3)
Malleable — Malléable				
Pig iron — Total — Fonte en gueuses	8,341,656	762,195	7,876,030	661,015
Ferro-alloys — Ferro-alliages	191,063	200,323	194,182	186,815

(1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores. — Inclus les produits
ferreux obtenus lors de l'affinage des minerais de titane.

(3) Included with "Foundry". — Inclus avec "La Fonderie".

TABLE 4. Steel Furnace Capacity, January 1, 1971

TABEAU 4. Capacité des fours d'acier, 1^{er} janvier 1971

	Annual capacity — Capacité annuelle
net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Ingots — Lingots</u>	
Basic open hearth — Four à sole, marche basique	6,970,000
Electric — Four électrique	2,294,450
Basic oxygen furnace — Four à oxygène, marche basique	4,400,000
Ingots — Total — Lingots	13,664,450
Steel castings — Moulages d'acier	418,925
Ingots and castings — Total — Lingots et moulages	14,083,375

TABLE 5. Pig Iron and Scrap Charged to Steel Furnaces

TABLEAU 5. Charges de fonte en gueuses et de ferraille dans les fours d'acier

	November - Novembre		Year to date - Total cumulatif	
	1970	1971	1970	1971
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
Pig iron - Fonte en gueuses	636,830	627,586	7,431,050	7,044,092
Scrap - Ferraille:				
Own make - De propre fabrication	284,429	338,165	3,246,521	3,411,482
Purchased - Achetée	245,624	196,565	2,185,323	2,295,545
Pig iron and scrap - Total - Fonte en gueuses et ferraille	1,166,883	1,162,316	12,862,894	12,751,119

TABLE 6. Production and Shipments of Steel Ingots and Castings

TABLEAU 6. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
November - Novembre				
Steel ingots (both carbon and alloy, and including continuous cast steel) - Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)				
Basic open hearth - Four à sole, marche basique	861,774	16,773	848,199	7,637
Electric - Four électrique	144,950	25,829	152,642	32,125
Basic oxygen furnace - Four à oxygène, marche basique ...	(2)	(2)	(2)	(2)
Steel ingots - Total - Lingots d'acier	1,006,724	42,602	1,000,841	39,762
Continuous cast steel included in above - Moulages d'acier de coulée continue déclarés ci-dessus	122,029	x	118,932	x
Alloy steel ingots included in above - Lingots d'acier allié déclarés ci-dessus	89,823 ^r	x	88,679	x
Steel castings (both carbon and alloy) - Moulages d'acier (acier au carbone et acier allié)				
Basic open hearth - Four à sole, marche basique	(3)	-	(3)	-
Electric - Four électrique	17,952	15,801	16,836	15,653
Basic oxygen furnace - Four à oxygène, marche basique ...	-	-	-	-
Steel castings - Total - Moulages d'acier	17,952	15,801	16,836	15,653
Alloy steel castings included in above - Moulages d'acier allié déclarés ci-dessus				
High alloy, except manganese, and abrasion resistant - Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	712	489	564	461
Manganese and abrasive resistant - Acier au manganèse et alliage résistant à l'abrasion	2,503	2,280	2,470	2,838
All other alloys - Tous autres alliages	778	849	558	421
Alloy castings - Total - Moulages d'acier allié	3,993	3,618	3,592	3,720

(1) Includes amounts for sale and for own use. - Inclus les quantités fabriquées pour vente et pour usage à l'usine. (2) Included with "Basic open hearth". - Inclus avec les moulages de "Four à sole, marche basique". (3) Included with "Electric". - Inclus avec "Four électrique".

TABLE 6A. Production and Shipments of Steel Ingots and Castings
TABLEAU 6A. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
Year to date — Total cumulatif				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth — Four à sole, marche basique	9,666,788	162,110	9,422,804	141,598
Electric — Four électrique	1,504,865	293,605	1,550,168	304,277
Basic oxygen furnace — Four à oxygène, marche basique	(2)	(2)	(2)	(2)
Steel ingots — Total — Lingots d'acier	11,171,653	455,715	10,972,972	445,875
<u>Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus</u>				
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	1,290,005	x	1,285,305	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	960,473 ^x	x	954,599	x
<u>Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth — Four à sole, marche basique	(3)	(3)	(3)	(3)
Electric — Four électrique	174,024	163,724	189,586	184,238
Basic oxygen furnace — Four à oxygène, marche basique	—	—	—	—
Steel castings — Total — Moulages d'acier	174,024	163,724	189,586	184,238
<u>Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	7,173	4,761	7,406	4,725
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion	24,500	24,593	29,381	30,309
All other alloys — Tous autres alliages	8,558	9,173	8,431	8,379
Alloy castings — Total — Moulages d'acier allié	40,231	38,527	45,218	43,413

See footnote(s) at end of Table 6. — Voir renvoi(s) à la fin du Tableau 6.

TABLE 7. Disposition of Shipments(1) of Steel Castings
TABLEAU 7. Écoulement des expéditions(1) de moulages d'acier

	November — 1971 — Novembre		Year to date — Total cumulatif	
	Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
Wholesalers and warehouses — Commerce de gros et entrepôts	—	—	—	—
Export — Exportation	1,792	295	23,444	2,743
Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	183	—	3,735	—
Agricultural(2) — Agriculture(2)	81	28	704	354
Construction(3)	46	289	492	3,649
Machinery and tools — Machines et outils	1,747	374	19,446	5,419
Natural resources and extractive industries(4) — Industries des ressources naturelles et de l'extraction(4)	989	1,738	14,228	20,227
Railway operating — Matériel ferroviaire fixe	4,517	132	47,751	2,541
Railroad cars and locomotives — Matériel roulant de chemin de fer	1,845	218	24,889	4,793
Shipbuilding — Construction de navires	22	1	264	45
Miscellaneous(5) — Divers(5)	711	645	5,872	3,642
Total	11,933	3,720	140,825	43,413

(1) (a) Compiled by principal consuming industries according to the Steel Distribution Index revised January 1964. — Compilé par les principales industries de consommation, d'après le Steel Distribution Index révisé en janvier 1964. (b) Includes producers' own-make castings allocated to appropriate consuming industry. — Inclus les moulages d'acier de propre fabrication des fabricants affectés à l'industrie de consommation appropriée. (2) Including implement and equipment manufacturers. — Y compris les fabricants d'instruments et de matériel agricoles. (3) Including public works, public utilities and structural steel fabricators. — Y compris les travaux publics, les services d'utilité publique et les fabricants d'acier de charpente. (4) Including mining, lumbering, quarrying, oil and gas, including refineries, etc. — Y compris l'industrie minière, l'exploitation du bois-d'oeuvre, les carrières, le pétrole et le gaz, et les raffineries, etc. (5) Including grinding balls and railway car wheels. — Y compris les broyeurs à boulets et les roues des voitures et wagons de chemin de fer.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

TABLEAU 8. Production mensuelle de fonte en gueuses, de ferro-alliages et de lingots et moulages d'acier

	Pig iron — Fonte en gueuses	Ferro- alloys — Ferro- alliages	Steel — Acier		
			Ingots — Lingots	Castings — Moulages	Total steel — Acier
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>1970</u>					
January — Janvier	788,315	15,124	1,042,829	14,136	1,056,965
February — Février	721,075	15,534	973,253	14,973	988,226
March — Mars	815,211	19,017	1,078,812	15,718	1,094,530
April — Avril	783,074	16,645	1,037,231	16,911	1,054,142
May — Mai	794,136	15,627	1,063,555	16,511	1,080,066
June — Juin	756,542	19,689	1,017,287	17,091	1,034,378
July — Juillet	770,733	17,840	986,555	11,216	997,771
August — Août	738,009	15,788	969,174	14,709	983,883
September — Septembre	703,728	19,827	956,946	17,328	974,274
October — Octobre	741,942	17,850	1,039,287	17,479	1,056,766
November — Novembre	728,891	18,122	1,006,724	17,952	1,024,676
December — Décembre	744,299	18,493	982,759	17,696	1,000,455
Total	9,085,955	209,556	12,154,412	191,720	12,346,132
<u>1971</u>					
January — Janvier	697,562	16,025	993,706	17,499	1,011,205
February — Février	566,553	15,884	865,131	17,554	882,685
March — Mars	663,693	19,973	995,183	19,544	1,014,727
April — Avril	737,987	17,044	1,011,212	18,757	1,029,969
May — Mai	806,185	18,475	1,076,249	19,068	1,095,317
June — Juin	755,065	21,226	1,064,875	19,803	1,084,678
July — Juillet	726,271	16,572	981,396	10,578	991,974
August — Août	740,315	16,781	981,997	15,674	997,671
September — Septembre	725,707	18,559	965,097	18,143	983,240
October — Octobre	763,472	17,527	1,037,285	16,130	1,053,415
November — Novembre	693,220	16,116	1,000,841	16,836	1,017,677
December — Décembre					
Total					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

TABLÉAU 9. Production et expéditions de tuyaux, tubes et raccords en acier

	1970		1971	
	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>November — Novembre</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	33,305	28,498	30,732	28,726
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	31,984	34,587	49,853	50,980
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	21,280	20,853	24,339	22,902
Total	86,569	83,938	104,924	102,608
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	73	101	100	153
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	719	777	734	783
Total	792	878	834	936
<u>Year to date — Total cumulatif</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	285,877	257,503	284,976	258,664
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	490,440	481,066	502,548	508,323
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	226,545	217,235	227,368	219,242
Total	1,002,862	955,804	1,014,892	986,229
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	1,239	1,793	1,065	1,574
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	6,855	7,537	7,622	8,741
Total	8,094	9,330	8,687	10,315

(1) Included with "Other". — Inclus avec "Autres"

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products
TABLEAU 10. Production et écoulement des expéditions de produits de lingots et laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
<u>November — 1971 — Novembre</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	42,205	48,807	40,472	40,313	159
For forging and piercing — Pour forgeage et perforation	22,579	—	23,119	...	23,119
Rails	29,582	—	31,410	...	31,410
Wire rods — Fils machine	50,819	—	52,685	418	52,267
Structural shapes — Profilés de charpente:					
Heavy — Lourds	45,006	—	47,856	...	47,856
Bar-sized shapes — De la grosseur d'une barre	17,375	—	16,559	...	16,559
Concrete reinforcing bars — Barres d'armature ou ronds à béton	86,057	—	84,881	377	84,504
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	2,859	—	9,338	2,329	46,773
Other — Autres	40,820	—	39,764		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	594	—	503	...	503
Tie plates — Selles d'appui	4,839	—	4,823	...	4,823
Track spikes — Crampons de traverses de chemin de fer	728	—	729	...	729
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	93,151	—	94,995	1,074	93,921
Hot rolled sheets — Tôles laminées à chaud	139,711	493	138,044	4,266	133,778
Hot rolled strip — Feuillard laminé à chaud	39,938	—	40,345	23	40,322
Hot rolled products — Total — Produits laminés à chaud	616,263	49,300	625,523	48,800	576,723
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	5,443	—	5,829	...	5,829
Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard laminés à froid, autres laminés à froid et revêtus	146,784	—	146,880	3,766	143,114
Galvanized sheets — Tôles galvanisées	75,281	—	80,391	930	79,461
Cold rolled and coated — Total — Laminés à froid et revêtus	227,508	—	233,100	4,696	228,404
Carbon steel — Total — Acier au carbone	843,771	49,300	858,623	53,496	805,127
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	3,362	—	4,050	...	4,050
Alloy plates — Plaques d'alliage	10,231	—	10,518	...	10,518
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	22,212	—	24,932	53	24,879
Cold finished bars — Barres étirées à froid	501	—	589	...	589
Wire rods — Fils machine	1,154	—	1,191	37	1,154
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autre laminés à froid	7,504	—	9,054	...	9,054
Alloy steel — Total — Acier allié	44,964	—	50,334	90	50,244

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir in traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

TABLEAU 10A. Production et écoulement des expéditions de lingots et de laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
<u>Year to date — Total cumulatif</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	577,367	240,164	559,155	421,215	137,940
For forging and piercing — Pour forgeage et perforation	255,678	—	225,246	...	225,246
Rails	269,098	—	262,855	...	262,855
Wire rods — Fils machine	545,980(2)	—	548,133(2)	4,318	543,815(2)
Structural shapes — Profils de charpente:					
Heavy — Lourds	514,144	—	516,752	...	516,752
Bar-sized shapes — De la grosseur d'une barre	142,422	—	132,132	...	132,132
Concrete reinforcing bars — Barres d'armature ou ronds à béton	699,843	—	719,132	1,568	717,564
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plates	68,954	—	114,821	...	...
Other — Autres	452,366	—	406,403	17,171	504,053
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	5,857	—	5,721	...	5,721
Tie plates — Selles d'appui	63,332	—	63,221	10	63,211
Track spikes — Crampons de traverses de chemin de fer	10,525	—	10,509	...	10,509
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	966,907	—	992,434	9,706	982,728
Hot rolled sheets — Tôles laminées à chaud	1,321,963	47,831	1,341,123	76,510	1,264,613
Hot rolled strip — Feuillard laminé à chaud	371,781	—	369,552	779	368,773
Hot rolled products — Total — Produits laminés à chaud	6,266,217(2)	287,995	6,267,189(2)	531,277	5,735,912(2)
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	56,056	—	58,585	...	58,585
Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard laminés à froid, autres laminés à froid et revêtus	1,621,165	—	1,611,935	30,781	1,581,154
Galvanized sheets — Tôles galvanisées	670,422	—	671,362	4,680	666,682
Cold rolled and coated — Total — Laminés à froid et revêtus	2,347,643	—	2,341,882	35,461	2,306,421
Carbon steel — Total — Acier au carbone	8,613,860(2)	287,995	8,609,071(2)	566,738	8,042,333(2)
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	50,316	—	52,583	...	52,583
Alloy plates — Plaques d'alliage	101,357	—	99,415	...	99,415
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	229,040	—	227,925	312	227,613
Cold finished bars — Barres étirées à froid	4,652	—	4,822	...	4,822
Wire rods — Fils machine	9,554	—	9,656	102	9,554
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autres laminés à froid	75,228	3,274	93,445	178	93,267
Alloy steel — Total — Acier allié	470,147	3,274	487,846	592	487,254

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

(2) Includes revisions for October 1971. — Inclus les chiffres rectifiés d'octobre 1971.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

TABLEAU 11. Écoulement des expéditions nettes(1) de produits de laminages d'acier

SDI No. — N° du SDI		November — 1971 — Novembre		Year to date — Total cumulatif	
		Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
		net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
4a	Wholesalers and warehouses — Steel service centres — Commerce de gros et entrepôts — Centres de service de l'acier	101,712	2,240	999,165	25,854
b	Other warehouses — Autres entrepôts	10,745	79	116,617	243
6	Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	96,805	16,550	862,052	154,387
7	Agricultural — Agriculture	18,714	719	116,180	5,176
8a	Contractors — Building — Entrepreneurs — Construction	55,652	514	444,618	1,104
b	Construction — Public and utility — Travaux publics et service d'utilité publique	4,731	—	50,406	81
c	Structural steel fabricators — Fabricants d'acier de charpente	98,694	4,993	898,217	26,201
9	Containers — Conteneurs	40,093	51	502,763	364
10	Machinery and tools — Machines et outils	24,160	3,397	237,063	41,107
11	Wire, wire products and fasteners — Fil métallique, produits en fil métallique et attaches	54,799	1,583	513,544(2)	11,606
12	Natural resources and extractive industries — Ressources naturelles et industries de l'extraction	14,683	5,434	150,853	31,497
13	Appliances and utensils — Appareils et ustensiles	19,215	205	174,931	1,286
14	Other metal stamping and pressing — Autres articles estampés et matricés	46,892	2,313	435,113	27,840
16	Railway operating — Matériel ferroviaire fixe	30,054	—	297,046	984
17	Railroad cars and locomotives — Matériel roulant de chemin de fer	7,055	2,458	83,397	13,958
18	Shipbuilding — Construction de navires	3,459	643	46,443	3,972
19	Pipes and tubes — Tuyaux et tubes	107,875	2,683	1,034,896	31,934
20	Miscellaneous — Divers	5,500	15	56,333	823
	Domestic shipments — Total — Expéditions au pays	740,838	43,877	7,019,637(2)	378,417
5a	Export — For conversion and return — Exportation — Pour transformation et retour	—	681	—	7,917
b	Other export (for final sale) — Autres exportations (vente)				
i	USA — É.-U.	41,631	3,912	779,675	73,687
ii	Other countries — Autres pays	22,658	1,774	243,021	27,233
	Domestic and export shipments — Total — Expéditions et exportation au pays	805,127	50,244	8,042,333(2)	487,254
	Production (for sale only) — Production (pour la vente seulement)	843,771	44,964	8,613,860(2)	470,147
	Imports by producers (including conversion) — Importation par les fabricants (y compris la transformation)	49,300	—	287,995	3,274

(1) Compiled by principal consuming industries according to the "Steel Distribution Index", revised January 1964. — Compilé par les principales industries de consommation d'après le Steel Distribution Index révisé en janvier 1964.

(2) Includes revisions for October 1971. — Inclus les chiffres rectifiés d'octobre 1971.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
November 1971

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvres	Rails	Wire rods — Fils machine	Structural shapes — Profils de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	19	87	29	9,968	4,307	18,570	7,397	24
b	Other warehouses	133	81	—	1,516	294	1,040	502	—
6	Automotive and aircraft industries	1,375	—	—	166	33	—	19,428	—
7	Agricultural	22	—	21	657	1,099	—	5,673	—
8a	Contractors — Building	—	—	26	716	87	9,813	514	—
b	Construction — Public and utility	—	—	—	339	20	3,025	123	3
c	Structural steel fabricators	120	87	1,116	23,549	7,958	35,453	7,808	1
9	Containers	—	—	—	—	—	—	—	—
10	Machinery and tools	—	71	575	1,861	197	10	2,479	—
11	Wire, wire products and fasteners	403	—	42,921	—	71	28	7,338	239
12	Natural resources and extractive industries.	259	267	—	503	17	1,956	12,500	473
13	Appliances and utensils	—	—	—	4	9	—	1	—
14	Other metal stamping and pressing	374	—	175	166	880	10,830	1,995	—
16	Railway operating	—	23,042	—	247	46	—	140	5,308
17	Railroad cars and locomotives	3,206	—	—	398	55	—	126	—
18	Shipbuilding	—	—	—	151	21	—	7	—
19	Pipes and tubes	17,076	—	199	—	—	—	—	—
20	Miscellaneous	3,235	—	260	53	121	281	347	—
	Total domestic shipments	26,222	23,635	45,322	40,294	15,215	81,006	66,378	6,048
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	1,106	1,053	4,497	7,562	1,344	3,234	4,767	7
ii	Other countries	—	6,722	3,602	—	—	264	507	—
	Total domestic and export shipments.	27,328	31,410	53,421	47,856	16,559	84,504	71,652	6,055
	Production (for sale only)	68,146	29,582	51,973	45,006	17,375	86,057	65,891	6,161
	Imports by producers (including conversion).	48,807	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Novembre 1971

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated, — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus	Galvanized sheets — Tôles galvanisées	Total		Nº du SDI
tonnes nettes de 2,000 livres								
16,923	12,866	260	2,163	14,834	16,505	103,952	Commerce de gros et entrepôts - Centres de service de l'acier.	4a
1,237	3,437	233	11	1,863	477	10,824	Autres entrepôts	b
2,233	64,902	4,211	1,136	17,254	2,617	113,355	Industries de l'automobile et de l'aéronautique.	6
2,044	5,740	327	1,305	2,214	331	19,433	Agriculture	7
1,858	4,778	603	20	3,391	34,360	56,166	Entrepreneurs - Construction	8a
253	747	—	20	201	—	4,731	Construction - Travaux publics et service d'utilité publique.	b
15,915	3,298	1,068	59	1,720	5,535	103,687	Fabricants d'acier de charpente	c
—	450	26	—	39,492	176	40,144	Contenants	9
5,469	4,207	500	888	9,993	1,307	27,557	Machines et outils	10
229	2,372	25	165	2,326	265	56,382	Fil métallique, produits en fil métallique et attaches.	11
2,386	444	3	29	614	666	20,117	Industries des ressources naturelles et de l'extraction.	12
465	2,036	201	137	14,017	2,550	19,420	Appareils et ustensiles	13
2,472	5,256	461	221	17,382	8,993	49,205	Autres articles estampés et matricés ...	14
980	285	—	—	—	6	30,054	Matériel ferroviaire fixe	16
4,667	1,006	8	25	22	—	9,513	Matériel roulant de chemin de fer	17
3,690	224	—	9	—	—	4,102	Construction de navires	18
33,985	18,819	32,085	17	7,927	450	110,558	Tuyaux et tubes	19
79	—	—	48	1,066	25	5,515	Divers	20
94,885	130,867	40,011	6,253	134,316	74,263	784,715	Total, expéditions au pays	
—	—	—	—	681	—	681	Exportation - Pour transformation et retour.	5a
9,554	3,948	311	160	4,087	3,913	45,543	Autres exportation (vente)	b
—	394	—	5	11,653	1,285	24,432	É.-U.	i
							Autres pays	ii
104,439	135,209	40,322	6,418	150,737	79,461	855,371	Total, expéditions et exportation au pays.	
103,382	141,142	39,938	5,944	152,857	75,281	888,735	Production (pour la vente seulement)	
—	493	—	—	—	—	49,300	Importation par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Year to date

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machines	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	222	2,102	29	99,354	34,521	192,097	95,567	537
b	Other warehouses	812	926	—	18,800	5,031	16,007	5,641	32
6	Automotive and aircraft industries	16,994	—	465	1,013	168	60	197,207	—
7	Agricultural	237	—	21	3,444	5,123	21	33,282	—
8a	Contractors — Building	—	140	26	12,828	1,197	78,410	5,584	94
b	Construction — Public and utility	8	166	—	7,702	318	26,988	1,989	14
c	Structural steel fabricators	406	634	9,787	269,449	58,613	264,061	71,921	57
9	Containers	—	—	—	—	—	—	66	—
10	Machinery and tools	150	1,110	11,591	14,062	2,407	992	29,338	—
11	Wire, wire products and fasteners	6,807	—	412,540(2)	89	1,980	270	59,689	3,341
12	Natural resources and extractive industries.	3,914	13,648	33	9,181	516	8,771	105,971	2,687
13	Appliances and utensils	—	—	—	467	146	—	560	—
14	Other metal stamping and pressing	3,380	371	1,781	3,507	5,922	110,752	33,087	14
16	Railway operating	67	206,133	—	4,128	485	1	4,545	71,256
17	Railroad cars and locomotives	23,121	—	—	7,647	453	—	4,631	—
18	Shipbuilding	115	15	—	4,957	224	—	1,237	—
19	Pipes and tubes	171,949	—	564	—	—	54	407	—
20	Miscellaneous	34,748	—	3,047	206	392	3,576	2,873	297
	Total domestic shipments	262,930	225,245	439,884(2)	456,834	117,496	702,060	653,595	78,329
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	83,383	17,451	79,889	59,918	14,636	14,243	60,789	844
ii	Other countries	69,456	20,159	33,596	—	—	1,261	17,282	268
	Total domestic and export shipments.	415,769	262,855	553,369(2)	516,752	132,132	717,564	731,666	79,441
	Production (for sale only)	883,361	269,098	555,534(2)	514,144	142,422	699,843	750,360	79,714
	Imports by producers (including conversion).	240,164	—	—	—	—	—	—	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

(2) Includes revisions for October 1971.

TABLEAU 12A. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Total cumulatif								
Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated, — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus	Galvanized sheets — Tôles galvanisées	Total		Nº du SDI
tonnes nettes de 2,000 livres								
142,588	154,472	2,295	21,528	156,673	123,034	1,025,019	Commerce de gros et entrepôts — Centres de service de l'acier.	4a
12,772	32,102	2,196	11	19,933	2,597	116,860	Autres entrepôts	b
15,153	516,958	33,047	15,087	196,847	23,440	1,016,439	Industries de l'automobile et de l'aéronautique.	6
12,037	34,719	1,866	7,486	20,711	2,409	121,356	Agriculture	7
17,434	34,238	5,614	289	36,758	253,110	445,722	Entrepreneurs — Construction	8a
3,446	7,908	—	20	1,859	69	50,487	Construction — Travaux publics et service d'utilité publique.	b
164,032	31,592	9,780	693	9,524	33,869	924,418	Fabricants d'acier de charpente	c
1,229	6,321	782	—	493,070	1,659	503,127	Contenants	9
56,966	40,250	7,783	8,738	90,977	13,806	278,170	Machines et outils	10
3,981	17,610	333	1,949	14,579	1,982	525,150(2)	Fil métallique, produits en fil métallique et attachés.	11
19,657	6,946	76	223	6,221	4,506	182,350	Industries des ressources naturelles et de l'extraction.	12
5,404	22,068	1,513	1,513	121,819	22,727	176,217	Appareils et ustensiles	13
28,498	44,895	4,233	2,668	153,421	70,424	462,953	Autres articles estampés et matricés ...	14
9,090	1,798	118	106	51	252	298,030	Matériel ferroviaire fixe	16
49,151	10,296	8	80	77	1,891	97,355	Matériel roulant de chemin de fer	17
42,640	1,120	—	33	39	35	50,415	Construction de navires	18
365,097	154,771	293,993	115	73,049	6,831	1,066,830	Tuyaux et tubes	19
467	261	—	734	10,128	427	57,156	Divers	20
949,642	1,118,325	363,637	61,273	1,405,736	563,068	7,398,054(2)	Total, expéditions au pays	
—	—	—	—	7,917	—	7,917	Exportation — Pour transformation et retour.	5a
132,206 295	150,202 4,599	5,136 —	1,892 242	150,606 101,649	82,167 21,447	853,362 270,254	Autres exportation (vente) É.-U. Autres pays	b i ii
1,082,143	1,273,126	368,773	63,407	1,665,908	666,682	8,529,587(2)	Total, expéditions et exportation au pays.	
1,068,264	1,330,476	371,781	60,708	1,687,880	670,422	9,084,007(2)	Production (pour la vente seulement)	
—	47,831	—	—	3,274	—	291,269	Importations par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

(2) Inclus les chiffres rectifiés d'octobre 1971.



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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
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- nil or zero.
- amount too small to be expressed.
- P preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

Note: The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

SIGNES CONVENTIONNELS

Les signes conventionnels suivants sont employés uniformément dans les publications du Bureau fédéral de la statistique:

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Nota: Les termes expéditions, expéditions nettes, utilisés dans cette publication, se rapportent aux expéditions des producteurs.

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TABLE 1. Pig Iron Capacity, January 1, 1971

TABEAU 1. Capacité de fonte en gueuses, 1^{er} janvier 1971

	In blast or in use — En activité		Banked, blown out or idle — Vide, hors feu ou chômant	
	Furnaces — Fours	Annual capacity — Capacité annuelle	Furnaces — Fours	Annual capacity — Capacité annuelle
	No. — nomb.	net tons — tonnes nettes	No. — nomb.	net tons — tonnes nettes
Blast furnaces — Hauts fourneaux	15	10,625,000	1	150,000
Electric furnaces — Fours électriques	11	710,000	—	—
Total	26	11,335,000	1	150,000

TABLE 2. Iron Blast Furnaces Charges(1)

TABEAU 2. Charges des hauts fourneaux de fer(1)

	December — 1971 — Décembre	Year to date — Total cumulatif
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres	
<u>Crude iron ore — Minerai de fer brut</u>		
From Canadian mines — Des mines canadiennes	8,392	93,157
From foreign mines — Des mines étrangères	43,785	318,164
Pyrite cinder — Cendre de pyrite	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.) — Minerai de fer sinter, bouletté, etc.)</u>		
From Canadian mines — Des mines canadiennes	895,850	9,445,580
From foreign mines — Des mines étrangères	30,604	1,506,635
From own processing — De propre traitement	84,521	1,146,296
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) — Scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.)	9,908	167,055
Scrap iron and steel — Ferraille de fer et d'acier	22,698	137,595
Limestone — Pierre calcaire	41,637	428,144
Dolomite — Dolomie	44,850	465,439
Coke	357,668	4,262,731

(1) Does not include charges into furnaces used in the smelting of titanium ores. — Ne comprend pas les charges des fours utilisées pour l'affinage des minerais de titane.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.). — Inclus avec les scories, battitures, laitier et poussières de gueulard (non sinter, non boulettées, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys
TABLEAU 3. Production et expéditions de fonte en gueuses et de ferro-alliages

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
<u>December — Décembre</u>	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	663,717	4,658	666,254	3,109
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	80,582 (3)	88,295 (3)	73,472 (3)	93,304 (3)
Malleable — Malléable				
Pig iron — Total — Fonte en gueuses	744,299	92,953	739,726	96,413
Ferro-alloys — Ferro-alliages	18,493	20,051	18,501	22,050
Stocks of pig iron on hand at end of month — Stocks de fonte en gueuses à la fin du mois	258,301		355,498	
<u>Year to date — Total cumulatif</u>				
<u>Pig iron — Fonte en gueuses</u>				
Basic — Basique	8,275,191	51,511	7,835,632	47,883
Foundry (including silvery pig)(2) — De fonderie (inclus la fonte grise claire)(2)	810,764 (3)	803,637 (3)	780,124 (3)	709,545 (3)
Malleable — Malléable				
Pig iron — Total — Fonte en gueuses	9,085,955	855,148	8,615,756	757,428
Ferro-alloys — Ferro-alliages	209,556	220,374	212,683	208,865

- (1) Includes amounts for sale and for own use. — Inclus les quantités fabriquées pour vente et pour usage à l'usine.
(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores. — Inclus les produits
ferreux obtenus lors de l'affinage des minerais de titane.
(3) Included with "Foundry." — Inclus avec "La Fonderie."

TABLE 4. Steel Furnace Capacity, January 1, 1971
TABLEAU 4. Capacité des fours d'acier, 1^{er} janvier 1971

	Annual capacity — Capacité annuelle
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres
<u>Ingots — Lingots</u>	
Basic open hearth — Four à sole, marche basique	6,970,000
Electric — Four électrique	2,294,450
Basic oxygen furnace — Four à oxygène, marche basique	4,400,000
Ingots — Total — Lingots	13,664,450
Steel castings — Moulages d'acier	418,925
Ingots and castings — Total — Lingots et moulages	14,083,375

TABLE 5. Pig Iron and Scrap Charged to Steel Furnaces

TABLEAU 5. Charges de fonte en gueuses et de ferraille dans les fours d'acier

	December - Décembre		Year to date - Total cumulatif	
	1970	1971	1970	1971
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
Pig iron - Fonte en gueuses	632,265	632,197	8,063,315	7,676,289
Scrap - Ferraille:				
Own make - De propre fabrication	280,747	324,557	3,527,268	3,736,039
Purchased - Achetée	228,068	195,275	2,413,391	2,490,820
Pig iron and scrap - Total - Fonte en gueuses et ferraille	1,141,080	1,152,029	14,003,974	13,903,148

TABLE 6. Production and Shipments of Steel Ingots and Castings

TABLEAU 6. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées	Tonnage made(1) - Tonnes fabriquées(1)	Tonnage shipped - Tonnes expédiées
	net tons of 2,000 pounds - tonnes nettes de 2,000 livres			
<u>December - Décembre</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) - Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth - Four à sole, marche basique	857,689	26,161	842,999	9,249
Electric - Four électrique	125,070	25,537	148,261	41,255
Basic oxygen furnace - Four à oxygène, marche basique ...	(2)	(2)	(2)	(2)
Steel ingots - Total - Lingots d'acier	982,759	51,698	991,260	50,504
Continuous cast steel included in above - Moulages d'acier de coulée continue déclarés ci-dessus	108,458	x	108,419	x
Alloy steel ingots included in above - Lingots d'acier allié déclarés ci-dessus	93,383 ^r	x	91,903	x
<u>Steel castings (both carbon and alloy) - Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth - Four à sole, marche basique	-	-	(3)	-
Electric - Four électrique	17,696	18,228	15,734	15,799
Basic oxygen furnace - Four à oxygène, marche basique ...	-	-	-	-
Steel castings - Total - Moulages d'acier	17,696	18,228	15,734	15,799
<u>Alloy steel castings included in above - Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese, and abrasion resistant - Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	778	546	492	460
Manganese and abrasive resistant - Acier au manganèse et alliage résistant à l'abrasion	2,846	2,896	1,629	2,546
All other alloys - Tous autres alliages	835	739	521	375
Alloy castings - Total - Moulages d'acier allié	4,459	4,181	2,642	3,381

(1) Includes amounts for sale and for own use. - Inclus les quantités fabriquées pour vente et pour usage à l'usine. (2) Included with "Basic open hearth". - Inclus avec les moulages de "Four à sole, marche basique". (3) Included with "Electric". - Inclus avec "Four électrique".

TABLE 6A. Production and Shipments of Steel Ingots and Castings
TABLEAU 6A. Production et expéditions de lingots et moulages d'acier

	1970		1971	
	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées	Tonnage made(1) — Tonnes fabriquées(1)	Tonnage shipped — Tonnes expédiées
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>Year to date — Total cumulatif</u>				
<u>Steel ingots (both carbon and alloy, and including continuous cast steel) — Lingots d'acier (acier au carbone et acier allié y compris moulages d'acier de coulée continue)</u>				
Basic open hearth — Four à sole, marche basique	10,524,477	188,271	10,265,803	150,847
Electric — Four électrique	1,629,935	319,142	1,698,429	345,532
Basic oxygen furnace — Four à oxygène, marche basique	(2)	(2)	(2)	(2)
Steel ingots — Total — Lingots d'acier	12,154,412	507,413	11,964,232	496,379
Continuous cast steel included in above — Moulages d'acier de coulée continue déclarés ci-dessus	1,398,463	x	1,393,724	x
Alloy steel ingots included in above — Lingots d'acier allié déclarés ci-dessus	1,053,856 ⁷	x	1,046,502	x
<u>Steel castings (both carbon and alloy) — Moulages d'acier (acier au carbone et acier allié)</u>				
Basic open hearth — Four à sole, marche basique	(3)	(3)	(3)	(3)
Electric — Four électrique	191,720	181,952	205,320	200,037
Basic oxygen furnace — Four à oxygène, marche basique	—	—	—	—
Steel castings — Total — Moulages d'acier	191,720	181,952	205,320	200,037
<u>Alloy steel castings included in above — Moulages d'acier allié déclarés ci-dessus</u>				
High alloy, except manganese and abrasion resistant — Aciers fortement alliés sauf l'acier au manganèse et les alliages résistant à l'abrasion	7,951	5,307	7,898	5,185
Manganese and abrasive resistant — Acier au manganèse et alliage résistant à l'abrasion	27,346	27,489	31,010	32,855
All other alloys — Tous autres alliages	9,393	9,912	8,952	8,754
Alloy castings — Total — Moulages d'acier allié	44,690	42,708	47,860	46,794

See footnote(s) at end of Table 6. — Voir renvoi(s) à la fin du Tableau 6.

TABLE 7. Disposition of Shipments(1) of Steel Castings
TABLEAU 7. Écoulement des expéditions(1) de moulages d'acier

	December — 1971 — Décembre		Year to date — Total cumulatif	
	Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
Wholesalers and warehouses — Commerce de gros et entrepôts	—	—	—	—
Export — Exportation	3,059	181	26,503	2,924
Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	159	—	3,894	—
Agricultural(2) — Agriculture(2)	46	17	750	371
Construction(3)	39	331	531	3,980
Machinery and tools — Machines et outils	1,643	398	21,089	5,817
Natural resources and extractive industries(4) — Industries des ressources naturelles et de l'extraction(4)	1,546	1,960	15,774	22,187
Railway operating — Matériel ferroviaire fixe	3,045	160	50,796	2,701
Railroad cars and locomotives — Matériel roulant de chemin de fer	2,330	88	27,219	4,881
Shipbuilding — Construction de navires	45	2	309	47
Miscellaneous(5) — Divers(5)	506	244	6,378	3,886
Total	12,418	3,381	153,243	46,794

(1) (a) Compiled by principal consuming industries according to the Steel Distribution Index revised January 1964. — Compilé par les principales industries de consommation, d'après le Steel Distribution Index révisé en janvier 1964. (b) Includes producers' own-make castings allocated to appropriate consuming industry. — Inclus les moulages d'acier de propre fabrication des fabricants affectés à l'industrie de consommation appropriée. (2) Including implement and equipment manufacturers. — Y compris les fabricants d'instruments et de matériel agricoles. (3) Including public works, public utilities and structural steel fabricators. — Y compris les travaux publics, les services d'utilité publique et les fabricants d'acier de charpente. (4) Including mining, lumbering, quarrying, oil and gas, including refineries, etc. — Y compris l'industrie minière, l'exploitation du bois-d'oeuvre, les carrières, le pétrole et le gaz, et les raffineries, etc. (5) Including grinding balls and railway car wheels. — Y compris les broyeurs à boulets et les roues des voitures et wagons de chemin de fer.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

TABLEAU 8. Production mensuelle de fonte en gueuses, de ferro-alliages et de lingots et moulages d'acier

	Pig iron — Fonte en gueuses	Ferro- alloys — Ferro- alliages	Steel — Acier		
			Ingots — Lingots	Castings — Moulages	Total steel — Acier
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres				
<u>1970</u>					
January — Janvier	788,315	15,124	1,042,829	14,136	1,056,965
February — Février	721,075	15,534	973,253	14,973	988,226
March — Mars	815,211	19,017	1,078,812	15,718	1,094,530
April — Avril	783,074	16,645	1,037,231	16,911	1,054,142
May — Mai	794,136	15,627	1,063,555	16,511	1,080,066
June — Juin	756,542	19,689	1,017,287	17,091	1,034,378
July — Juillet	770,733	17,840	986,555	11,216	997,771
August — Août	738,009	15,788	969,174	14,709	983,883
September — Septembre	703,728	19,827	956,946	17,328	974,274
October — Octobre	741,942	17,850	1,039,287	17,479	1,056,766
November — Novembre	728,891	18,122	1,006,724	17,952	1,024,676
December — Décembre	744,299	18,493	982,759	17,696	1,000,455
Total	9,085,955	209,556	12,154,412	191,720	12,346,132
<u>1971</u>					
January — Janvier	697,562	16,025	993,706	17,499	1,011,205
February — Février	566,553	15,884	865,131	17,554	882,685
March — Mars	663,693	19,973	995,183	19,544	1,014,727
April — Avril	737,987	17,044	1,011,212	18,757	1,029,969
May — Mai	806,185	18,475	1,076,249	19,068	1,095,317
June — Juin	755,065	21,226	1,064,875	19,803	1,084,678
July — Juillet	726,271	16,572	981,396	10,578	991,974
August — Août	740,315	16,781	981,997	15,674	997,671
September — Septembre	725,707	18,559	965,097	18,143	983,240
October — Octobre	763,472	17,527	1,037,285	16,130	1,053,415
November — Novembre	693,220	16,116	1,000,841	16,836	1,017,677
December — Décembre	739,726	18,501	991,260	15,734	1,006,994
Total	8,615,756	212,683	11,964,232	205,320	12,169,552

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings
TABLEAU 9. Production et expéditions de tuyaux, tubes et raccords en acier

	1970		1971	
	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées	Tonnage made — Tonnes fabriquées	Tonnage shipped — Tonnes expédiées
	net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
<u>December — Décembre</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	19,890	17,219	25,698	18,862
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	22,787	16,247	40,822	45,500
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	19,858	22,543	21,461	22,402
Total	62,535	56,009	87,981	86,764
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	85	122	56	67
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	716	775	694	797
Total	801	897	750	864
<u>Year to date — Total cumulatif</u>				
<u>Pipe and tubing, welded and seamless — Tuyaux et tubes soudés et sans soudure</u>				
4 1/2" outside diameter and under (excluding tubing and casing) — D'un diamètre extérieur 4 1/2" et moins (excluant le tubage et le cuvelage)	305,767	274,722	310,674	277,526
Over 4 1/2" outside diameter (excluding tubing and casing) — D'un diamètre extérieur de plus de 4 1/2" (excluant le tubage et le cuvelage)	513,227	497,313	543,370	553,823
Mechanical and pressure tubing, casing and oil well tubing — Tubes de structure et tuyaux de refoulement, tubes de revêtement et de puits de pétrole	246,403	239,778	248,829	241,644
Total	1,065,397	1,011,813	1,102,873	1,072,993
<u>Steel pipe fittings — Raccords de tuyauterie d'acier</u>				
Butt welding fittings — Raccords à souder en bout	1,324	1,915	1,121	1,641
Nipples — Graisseurs	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings — Autres, y compris les brides et les raccords à brides	7,571	8,312	8,316	9,538
Total	8,895	10,227	9,437	11,179

(1) Included with "Other". — Inclus avec "Autres".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products
TABLEAU 10. Production et écoulement des expéditions de produits de lingots et laminages d'acier

	Production	Imports Importations	All shipments Total(1) - Des expéditions	Shipments for further processing(1) - Expéditions pour traitement ultérieur(1)	Net shipments - Expéditions nettes
net tons of 2,000 pounds - tonnes nettes de 2,000 livres					
<u>December - 1971 - Décembre</u>					
<u>Carbon steel - Acier au carbone</u>					
<u>Hot rolled - Laminé à chaud</u>					
Ingots and semi-finished shapes - Lingots et profilés mi-ouvrés:					
For re-rolling - Pour relaminage	42,956	28,390	48,601	37,575	11,026
For forging and piercing - Pour forgeage et perforation	26,242	-	18,306	...	18,306
Rails	34,151	-	34,763	...	34,763
Wire rods - Fils machine	56,588	-	57,819	540	57,279
Structural shapes - Profilés de charpente:					
Heavy - Lourds	43,739	-	40,840	...	40,840
Bar-sized shapes - De la grosseur d'une barre	14,461	-	12,088	...	12,088
Concrete reinforcing bars - Barres d'armature ou ronds à béton	42,408	-	38,027	(- 54)	38,081
Other hot rolled bars - Autres barres laminées à chaud:					
Flats - Plates	6,684	1,176	10,683)	1,117	50,711
Other - Autres	41,654	-	41,145)		
Tie plates and track material - Selles d'appui et matériel de voies ferrées:					
Angle bars - Cornières	525	-	394	...	394
Tie plates - Selles d'appui	3,947	-	2,955	25	2,930
Track spikes - Crampons de traverses de chemin de fer	990	-	1,000	...	1,000
Plates (including plates for pipes and tubes) - Plaques (y compris les plaques pour tuyaux et tubes)	83,355	-	83,531	775	82,756
Hot rolled sheets - Tôles laminées à chaud	116,245	13,691	113,904	3,808	110,096
Hot rolled strip - Feuillard laminé à chaud	29,490	-	27,812	79	27,733
Hot rolled products - Total - Produits laminés à chaud	543,435	43,257	531,868	43,865	488,003
<u>Cold rolled and coated - Laminé à froid et revêtu</u>					
Cold finished bars - Barres étirées à froid	4,996	-	4,969	...	4,969
Cold reduced sheets and strip, cold rolled other, coated - Tôles et feuillard laminés à froid, autres laminés à froid et revêtus	139,636	-	119,307	2,073	117,234
Galvanized sheets - Tôles galvanisées	54,006	-	42,964	180	42,784
Cold rolled and coated - Total - Laminés à froid et revêtus	198,638	-	167,240	2,253	164,987
Carbon steel - Total - Acier au carbone	742,073	43,257	699,108	46,118	652,990
<u>Alloy steel - Acier allié</u>					
Ingots and semi-finished shapes - Lingots et profilés mi-ouvrés:					
For re-rolling - Pour relaminage	-	-	-	-	-
For forging and piercing - Pour forgeage et perforation	4,600	-	3,622	...	3,622
Alloy plates - Plaques d'alliage	7,838	-	9,323	...	9,323
Other hot rolled bars including structurals - Autres barres laminées à chaud y compris les barres de charpente	18,785	-	17,546	46	17,500
Cold finished bars - Barres étirées à froid	503	-	423	...	423
Wire rods - Fils machine	748	-	756	8	748
Hot and cold rolled sheets and strip, cold rolled other - Tôles et feuillard laminés à chaud et à froid, autre laminés à froid	6,211	204	6,555	...	6,555
Alloy steel - Total - Acier allié	38,685	204	38,225	54	38,171

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. - Les totaux de toutes les expéditions et les expéditions d'articles devant subir in traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products
TABLEAU 10A. Production et écoulement des expéditions de lingots et de laminages d'acier

	Production	Imports — Importations	All shipments — Total(1) — Des expéditions	Shipments for further processing(1) — Expéditions pour traitement ultérieur(1)	Net shipments — Expéditions nettes
net tons of 2,000 pounds — tonnes nettes de 2,000 livres					
<u>Year to date — Total cumulatif</u>					
<u>Carbon steel — Acier au carbone</u>					
<u>Hot rolled — Laminé à chaud</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	620,323	268,554	607,756	458,790	148,966
For forging and piercing — Pour forgeage et perforation	281,920	—	243,552	...	243,552
Rails	303,249	—	297,618	...	297,618
Wire rods — Fils machine	602,568	—	605,952	4,858	601,094
Structural shapes — Profilés de charpente:					
Heavy — Lourds	557,883	—	557,592	...	557,592
Bar-sized shapes — De la grosseur d'une barre	156,883	—	144,220	...	144,220
Concrete reinforcing bars — Barres d'armature ou ronds à béton	742,251	—	757,159	1,514	755,645
Other hot rolled bars — Autres barres laminées à chaud:					
Flats — Plats	75,638	1,176	125,504)	18,288	554,764
Other — Autres	494,020	—	447,548)		
Tie plates and track material — Selles d'appui et matériel de voies ferrées:					
Angle bars — Cornières	6,382	—	6,115	...	6,115
Tie plates — Selles d'appui	67,279	—	66,176	35	66,141
Track spikes — Crampons de traverses de chemin de fer	11,515	—	11,509	...	11,509
Plates (including plates for pipes and tubes) — Plaques (y compris les plaques pour tuyaux et tubes)	1,050,262	—	1,075,965	10,481	1,065,484
Hot rolled sheets — Tôles laminées à chaud	1,438,208	61,522	1,455,027	80,318	1,374,709
Hot rolled strip — Feuillard laminé à chaud	401,271	—	397,364	858	396,506
Hot rolled products — Total — Produits laminés à chaud	6,809,652	331,252	6,799,057	575,142	6,223,915
<u>Cold rolled and coated — Laminé à froid et revêtu</u>					
Cold finished bars — Barres étirées à froid	61,052	—	63,554	...	63,554
Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard laminés à froid autres laminés à froid et revêtus	1,760,801	—	1,731,242	32,854	1,698,388
Galvanized sheets — Tôles galvanisées	724,428	—	714,326	4,860	709,466
Cold rolled and coated — Total — Laminés à froid et revêtus	2,546,281	—	2,509,122	37,714	2,471,408
Carbon steel — Total — Acier au carbone	9,355,933	331,252	9,308,179	612,856	8,695,323
<u>Alloy steel — Acier allié</u>					
Ingots and semi-finished shapes — Lingots et profilés mi-ouvrés:					
For re-rolling — Pour relaminage	—	—	—	—	—
For forging and piercing — Pour forgeage et perforation	54,916	—	56,205	...	56,205
Alloy plates — Plaques d'alliage	109,195	—	108,738	...	108,738
Other hot rolled bars including structurals — Autres barres laminées à chaud y compris les barres de charpente	247,825	—	245,471	358	245,113
Cold finished bars — Barres étirées à froid	5,155	—	5,245	...	5,245
Wire rods — Fils machine	10,302	—	10,412	110	10,302
Hot and cold rolled sheets and strip, cold rolled other — Tôles et feuillard laminés à chaud et à froid, autre laminés à froid	81,439	3,478	100,000	178	99,822
Alloy steel — Total — Acier allié	508,832	3,478	526,071	646	525,425

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. — Les totaux de toutes les expéditions et les expéditions d'articles devant subir un traitement complémentaire ont été ajustés pour tenir compte uniquement des expéditions destinées à la vente, c'est-à-dire que l'on a déduit les transferts entre sociétés.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

TABEAU 11. Écoulement des expéditions nettes(1) de produits de laminages d'acier

SDI No. — N° du SDI		December — 1971 — Décembre		Year to date — Total cumulatif	
		Carbon — Au carbone	Alloy — Allié	Carbon — Au carbone	Alloy — Allié
		net tons of 2,000 pounds — tonnes nettes de 2,000 livres			
4a	Wholesalers and warehouses — Steel service centres — Commerce de gros et entrepôts — Centres de service de l'acier	76,746	1,779	1,075,911	27,633
b	Other warehouses — Autres entrepôts	8,720	—	125,337	243
6	Automotive and aircraft industries — Industries de l'automobile et de l'aéronautique	76,617	12,654	938,669	167,041
7	Agricultural — Agriculture	12,633	520	128,813	5,696
8a	Contractors — Building — Entrepreneurs — Construction	26,757	174	471,375	1,278
b	Construction — Public and utility — Travaux publics et service d'utilité publique	5,102	—	55,508	81
c	Structural steel fabricators — Fabricants d'acier de charpente	59,820	1,653	958,037	27,854
9	Containers — Conteneurs	26,661	57	529,424	421
10	Machinery and tools — Machines et outils	19,924	2,657	256,987	43,764
11	Wire, wire products and fasteners — Fil métallique, produits en fil métallique et attaches	58,041	1,072	571,585	12,678
12	Natural resources and extractive industries — Ressources naturelles et industries de l'extraction	9,928	2,360	160,781	33,857
13	Appliances and utensils — Appareils et ustensiles	14,584	121	189,515	1,407
14	Other metal stamping and pressing — Autres articles estampés et matricés	36,234	3,319	471,347	31,159
16	Railway operating — Matériel ferroviaire fixe	33,308	253	330,354	1,237
17	Railroad cars and locomotives — Matériel roulant de chemin de fer	8,599	2,382	91,996	16,340
18	Shipbuilding — Construction de navires	2,285	206	48,728	4,178
19	Pipes and tubes — Tuyaux et tubes	90,085	4,831	1,124,981	36,765
20	Miscellaneous — Divers	4,395	53	60,728	876
	Domestic shipments — Total — Expéditions au pays	570,439	34,091	7,590,076	412,508
5a	Export — For conversion and return — Exportation — Pour transformation et retour	—	120	—	8,037
b	Other export (for final sale) — Autres exportations (vente)				
i	USA — É.-U.	49,862	3,070	829,537	76,757
ii	Other countries — Autres pays	32,689	890	275,710	28,123
	Domestic and export shipments — Total — Expéditions et exportation au pays	652,990	38,171	8,695,323	525,425
	Production (for sale only) — Production (pour la vente seulement)	742,073	38,685	9,355,933	508,832
	Imports by producers (including conversion) — Importation par les fabricants (y compris la transformation)	43,257	204	331,252	3,478

(1) Compiled by principal consuming industries according to the "Steel Distribution Index", revised January 1964. — Compilé par les principales industries de consommation d'après le Steel Distribution Index révisé en janvier 1964.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

December 1971

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machine	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	24	205	—	7,696	2,644	11,829	9,839	54
b	Other warehouses	—	37	—	1,121	168	1,776	343	3
6	Automotive and aircraft industries	892	—	53	158	47	21	16,742	—
7	Agricultural	145	—	11	308	550	5	4,092	—
8a	Contractors — Building	—	61	51	1,221	50	3,331	1,106	16
b	Construction — Public and utility	—	—	—	320	—	2,924	634	3
c	Structural steel fabricators	27	40	712	19,503	6,695	11,237	8,567	4
9	Containers	—	—	—	—	—	—	—	—
10	Machinery and tools	—	3	718	510	394	—	2,451	—
11	Wire, wire products and fasteners	593	—	47,291	—	57	31	5,374	679
12	Natural resources and extractive industries.	333	20	—	98	14	693	7,704	43
13	Appliances and utensils	—	—	—	—	—	—	156	—
14	Other metal stamping and pressing	78	75	158	202	535	5,977	2,444	—
16	Railway operating	—	28,776	—	85	—	—	371	3,502
17	Railroad cars and locomotives	2,354	—	—	1,508	1	—	487	—
18	Shipbuilding	—	—	—	560	—	—	148	—
19	Pipes and tubes	13,025	—	479	—	—	—	—	—
20	Miscellaneous	2,696	3	438	6	11	257	233	20
	Total domestic shipments	20,167	29,220	49,911	33,296	11,166	38,081	60,691	4,324
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	1,761	5,543	5,264	7,544	922	—	7,420	—
ii	Other countries	11,026	—	2,852	—	—	—	100	—
	Total domestic and export shipments.	32,954	34,763	58,027	40,840	12,088	38,081	68,211	4,324
	Production (for sale only)	73,798	34,151	57,336	43,739	14,461	42,408	67,123	5,462
	Imports by producers (including conversion).	28,390	—	—	—	—	—	1,176	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABLEAU 12. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Décembre 1971

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus	Galvanized sheets — Tôles galvanisées	Total		N° du SDI
tonnes nettes de 2,000 livres								
10,431	12,142	297	2,100	13,023	8,241	78,525	Commerce de gros et entrepôts - Centres de service de l'acier.	4a
788	2,838	103	—	1,464	79	8,720	Autres entrepôts	b
2,152	49,265	2,619	942	14,312	2,068	89,271	Industries de l'automobile et de l'aéronautique.	6
1,224	4,207	265	703	1,197	446	13,153	Agriculture	7
1,630	2,583	605	29	2,855	13,393	26,931	Entrepreneurs - Construction	8a
93	871	—	—	257	—	5,102	Construction - Travaux publics et service d'utilité publique.	b
8,168	2,863	904	47	774	1,932	61,473	Fabricants d'acier de charpente	c
—	229	41	—	26,396	52	26,718	Contenants	9
3,573	4,672	463	783	7,641	1,373	22,581	Machines et outils	10
249	2,186	37	195	2,216	205	59,113	Fil métallique, produits en fil métallique et attaches.	11
1,946	297	—	5	598	537	12,288	Industries des ressources naturelles et de l'extraction.	12
176	2,306	90	118	9,838	2,021	14,705	Appareils et ustensiles	13
3,260	5,352	270	189	14,720	6,293	39,553	Autres articles estampés et matricés ...	14
751	57	—	—	—	19	33,561	Matériel ferroviaire fixe	16
5,665	879	—	4	42	41	10,981	Matériel roulant de chemin de fer	17
1,585	198	—	—	—	—	2,491	Construction de navires	18
39,872	13,253	21,851	5	5,915	516	94,916	Tuyaux et tubes	19
2	40	—	117	556	69	4,448	Divers	20
81,565	104,238	27,545	5,237	101,804	37,285	604,530	Total, expéditions au pays	
—	—	—	—	120	—	120	Exportation - Pour transformation et retour.	5a
10,514	5,547	188	148	4,796	3,285	52,932	Autres exportation (vente)	b
—	1,292	—	7	16,088	2,214	33,579	É.-U.	i
							Autres pays	ii
92,079	111,077	27,733	5,392	122,808	42,784	691,161	Total, expéditions et exportation au pays.	
91,193	117,226	29,490	5,499	144,866	54,006	780,758	Production (pour la vente seulement)	
—	13,691	—	—	204	—	43,461	Importation par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

Year to date

SDI No.		Ingots and semi- finished shapes — Lingots et profilés mi-ouvrés	Rails	Wire rods — Fils machines	Structural shapes — Profilés de charpente		Concrete rein- forcing bars — Barres d'armature et ronds à béton	Other hot rolled bars — Autres barres laminées à chaud	Tie plates and track material — Selles d'appui et matériel de voies ferrées
					Heavy — Lourds	Bar- sized shapes — De la grosseur d'une barre			
		net tons of 2,000 pounds							
4a	Wholesalers and warehouses — Steel service centres.	246	2,307	29	107,050	37,165	203,926	105,406	591
b	Other warehouses	812	963	—	19,921	5,199	17,783	5,984	35
6	Automotive and aircraft industries	17,886	—	518	1,171	215	81	213,949	—
7	Agricultural	382	—	32	3,752	5,673	26	37,374	—
8a	Contractors — Building	—	201	77	14,049	1,247	81,741	6,690	110
b	Construction — Public and utility	8	166	—	8,022	318	29,912	2,623	17
c	Structural steel fabricators	433	674	10,499	288,952	65,308	275,298	80,488	61
9	Containers	—	—	—	—	—	—	66	—
10	Machinery and tools	150	1,113	12,309	14,572	2,801	992	31,789	—
11	Wire, wire products and fasteners	7,400	—	459,831	89	2,037	301	65,063	4,020
12	Natural resources and extractive industries.	4,247	13,668	33	9,279	530	9,464	113,675	2,730
13	Appliances and utensils	—	—	—	467	146	—	716	—
14	Other metal stamping and pressing	3,458	446	1,939	3,709	6,457	116,729	35,531	14
16	Railway operating	67	234,909	—	4,213	485	1	4,916	74,758
17	Railroad cars and locomotives	25,475	—	—	9,155	454	—	5,118	—
18	Shipbuilding	115	15	—	5,517	224	—	1,385	—
19	Pipes and tubes	184,974	—	1,043	—	—	54	407	—
20	Miscellaneous	37,444	3	3,485	212	403	3,833	3,106	317
	Total domestic shipments	283,097	254,465	489,795	490,130	128,662	740,141	714,286	82,653
5a	Export — For conversion and return	—	—	—	—	—	—	—	—
b	Other export (for final sale)								
i	USA	85,144	22,994	85,153	67,462	15,558	14,243	68,209	844
ii	Other countries	80,482	20,159	36,448	—	—	1,261	17,382	268
	Total domestic and export shipments.	448,723	297,618	611,396	557,592	144,220	755,645	799,877	83,765
	Production (for sale only)	957,159	303,249	612,870	557,883	156,883	742,251	817,483	85,176
	Imports by producers (including conversion).	268,554	—	—	—	—	—	1,176	—

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964.

TABEAU 12A. Écoulement des expéditions nettes(1) de laminages d'acier, par produit

Total cumulatif

Plates including plates for pipes and tubes — Plaques y compris plaques pour tuyaux et tubes	Hot rolled sheets — Tôles laminées à chaud	Hot rolled strip — Feuillard laminé à chaud	Cold finished bars — Barres étirées à froid	Cold reduced sheets and strip, cold rolled other, coated — Tôles et feuillard, laminés à froid, autres laminés à froid et revêtus	Galvanized sheets — Tôles galvanisées	Total		Nº du SDI
tonnes nettes de 2,000 livres								
153,019	166,614	2,592	23,628	169,696	131,275	1,103,544	Commerce de gros et entrepôts — Centres de service de l'acier.	4a
13,560	34,940	2,299	11	21,397	2,676	125,580	Autres entrepôts	b
17,305	566,223	35,666	16,029	211,159	25,508	1,105,710	Industries de l'automobile et de l'aéronautique.	6
13,261	38,926	2,131	8,189	21,908	2,855	134,509	Agriculture	7
19,064	36,821	6,219	318	39,613	266,503	472,653	Entrepreneurs — Construction	8a
3,539	8,779	—	20	2,116	69	55,589	Construction — Travaux publics et service d'utilité publique.	b
172,200	34,455	10,684	740	10,298	35,801	985,891	Fabricants d'acier de charpente	c
1,229	6,550	823	—	519,466	1,711	529,845	Contenants	9
60,539	44,922	8,246	9,521	98,618	15,179	300,751	Machines et outils	10
4,230	19,796	370	2,144	16,795	2,187	584,263	Fil métallique, produits en fil métallique et attachés.	11
21,603	7,243	76	228	6,819	5,043	194,638	Industries des ressources naturelles et de l'extraction.	12
5,580	24,374	1,603	1,631	131,657	24,748	190,922	Appareils et ustensiles	13
31,758	50,247	4,503	2,857	168,141	76,717	502,506	Autres articles estampés et matricés ...	14
9,841	1,855	118	106	51	271	331,591	Matériel ferroviaire fixe	16
54,816	11,175	8	84	119	1,932	108,336	Matériel roulant de chemin de fer	17
44,225	1,318	—	33	39	35	52,906	Construction de navires	18
404,969	168,024	315,844	120	78,964	7,347	1,161,746	Tuyaux et tubes	19
469	301	—	851	10,684	496	61,604	Divers	20
1,031,207	1,222,563	391,182	66,510	1,507,540	600,353	8,002,584	Total, expéditions au pays	
—	—	—	—	8,037	—	8,037	Exportation — Pour transformation et retour.	5a
142,720 295	155,749 5,891	5,324 —	2,040 249	155,402 117,737	85,452 23,661	906,294 303,833	Autres exportation (vente) É.-U. Autres pays	b i ii
1,174,222	1,384,203	396,506	68,799	1,788,716	709,466	9,220,748	Total, expéditions et exportation au pays.	
1,159,457	1,447,702	401,271	66,207	1,832,746	724,428	9,864,765	Production (pour la vente seulement)	
—	61,522	—	—	3,478	—	334,730	Importations par les fabricants (y compris la transformation).	

(1) Compilé par les principales industries de consommation, d'après le Steel Distribution Index, révisé en janvier 1964.

List of Reporting Firms

Liste des firmes déclarantes

Name - Nom	Plant location - Localisation de l'usine
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Pig Iron

Fonte en gueuses

Algoma Steel Corporation, Ltd., The	Sault Ste. Marie, Ont.
Algoma Steel Corporaion, Ltd., The (Canadian Furnace Division)	Port Colborne, Ont.
Cominco Ltd.	Kimberley, B.C.
Dominion Foundries and Steel Ltd.	Hamilton, Ont.
Quebec Iron and Titanium Corporation	Sorel, Que.
Steel Co. of Canada Ltd., The	Hamilton, Ont.
Sydney Steel Corporation	Sydney, N.S.

Steel Ingots and Steel Castings

Lingots et moulages d'acier

A-1 Steel and Iron Foundry Ltd.	Vancouver, B.C.
Abex Industries of Canada Ltd., Amsco Joliette Division	Joliette, Que.
	Selkirk, Man.
Algoma Steel Corporation Ltd., The	Sault Ste. Marie, Ont.
Atlas Steels Co., A Division of Rio Algom Mines Ltd.	Tracy, Que.
	Welland, Ont.
Black Clawson-Kennedy Ltd.	Owen Sound, Ont.
Burlington Steel Co., A Division of Slater Steel Industries Ltd.	Hamilton, Ont.
Canada Electric Castings Ltd.	Guelph, Ont.
Canadian Steel Foundries, Division of Hawker Siddeley Canada Ltd.	Montreal, Que.
Canadian Steel Wheel Ltd.	Hochelaga, Montreal, Que.
Colt Industries (Canada) Ltd., Crucible Steel Division	Sorel, Que.
Cominco Ltd.	Kimberley, B.C.
	Tadanac, B.C.
Dominion Engineering Works Ltd.	Montreal, Que.
Dominion Foundries and Steel Ltd.	Hamilton, Ont.
Dominion Steel and Coal Corp'n. Ltd. - Montreal Works (Subsidiary of Sidbec).	Montreal, Que.
Enamel and Heating Products Ltd.	Amherst, N.S.
Esco Limited	Port Coquitlam, B.C.
Fahralloy Canada Ltd.	Orillia, Ont.
Fahralloy - Wisconsin Ltd.	Orillia, Ont.
Griffin Steel Foundries Ltd.	St. Hyacinthe, Que.
	Transcona, Man.
Indiana Steel Products Co. of Canada Ltd. The	Kitchener, Ont.
Interprovincial Steel and Pipe Corp. Ltd. (Steel Division)	Regina, Sask.
Irving Industries (Foothills Steel Foundry Division) Ltd.	Calgary, Alta.
Lake Ontario Steel Co. Ltd.	Whitby, Ont.
Lynn MacLeod Metallurgy Ltd.	Thetford Mines, Que.
Manganese Steel Castings Ltd.	Sherbrooke, Que.
Manitoba Rolling Mills, Division of Dominion Bridge Co. Ltd.	Selkirk, Man.
Maritime Steel and Foundries Ltd.	New Glasgow, N.S.
Midland - Ross of Canada Ltd., Unitcast Division	Sherbrooke, Que.
Neelon Steel Ltd.	Sudbury, Ont.
Newfoundland Steel (1968) Co. Ltd.	St. John's, Nfld.
Quality Steel Foundries Ltd.	Edmonton, Alta.
Reliance Foundry Co. Ltd.	North Surrey, B.C.
Sorel Steel Foundries Ltd.	Sorel, Que.

List of Reporting Firms — Continued

Liste des firmes déclarantes — suite

Name — Nom	Plant location — Localisation de l'usine
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Steel Ingots and Steel Castings — Concluded

Lingots et moulages d'acier — fin

Steel Co. of Canada Ltd., The	Hamilton, Ont.
Sydney Steel Corporation	Edmonton, Alta.
Victoria Machinery Depot Co., Ltd.	Sydney, N.S.
Welmet Industries Ltd.	Victoria, B.C.
Western Canada Steel Ltd.	Welland, Ont.
	Calgary, Alta.
	Vancouver, B.C.

Ferro Alloys

Ferro-Alliages

Canadian Carborundum Co. Ltd.	Niagara Falls, Ont.
Chromium Mining and Smelting Corp'n. Ltd.	Montreal, Que.
Exolon Company of Canada Ltd., The	Thorold, Ont.
Lionite Abrasives Ltd.	Niagara Falls, Ont.
Norton Company	Chippawa, Ont.
Simonds Canada Abrasives Division, Wallace Murray Canada Ltd.	Arvida, Que.
Union Carbide Canada Ltd. (Metals and Carbon Div.)	Beauharnois, Que.
	Chicoutimi, Que.
	Welland, Ont.

Steel Pipe, Tubing and Fittings

Tuyaux, tubes et raccords en acier

Acton Nipple Inc.	Actonvale, Que.
Algoma Steel Corporation Ltd., The (Tube Division)	Sault Ste. Marie, Ont.
Atlas Steels Co., A Division of Rio Algom Mines Ltd.	Welland, Ont.
Barton Tubes Limited	Burlington, Ont.
Bundy of Canada Ltd.	Bramalea, Ont.
Canadian Acme Screw and Gear Ltd.	Toronto, Ont.
Canadian Phoenix Steel and Pipe Ltd.	Calgary, Alta.
	Edmonton, Alta.
	Port Moody, B.C.
Canadian Phoenix Steel and Pipe (Toronto) Ltd.	Toronto, Ont.
Canvil Ltd.	Simcoe, Ont.
Delco-Canada, Division of General Motors of Canada Ltd.	Scarborough, Ont.
Dominion Steel and Coal Corp'n. Ltd. — Montreal Works (Subsidiary of Sidbec).	Montreal, Que.
Gabriel of Canada Ltd.	Toronto, Ont.
Galt Metal Industries Ltd.	Galt, Ont.
General Motors of Canada Ltd.	Oshawa, Ont.
General Spring Products Ltd.	Kitchener, Ont.
Goderich Tube and Steel Co.	Ajax, Ont.
Hayes-Dana Ltd.	Thorold, Ont.
Imperial Steel Products Ltd.	Winnipeg, Man.
Interprovincial Steel and Pipe Corp'n. Ltd. (Pipe Division)	Regina, Sask.
Ladish Co. of Canada Ltd.	Brantford, Ont.
Morina Electronics Mfg. Co. Ltd.	Etobicoke, Ont.

List of Reporting Firms — Concluded

Liste des firmes déclarantes — fin

Name — Nom	Plant location — Localisation de l'usine
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Steel Pipe, Tubing and Fittings — Concluded

Tuyaux, tubes et raccords en acier — fin

Prudential Steel Ltd.	Calgary, Alta.
Sonco Steel Tube Co. Division of Acadia Pulp and Paper Ltd.	Brampton, Ont.
Standard Tube Canada Ltd.	Montreal, Que.
	Woodstock, Ont.
	Winnipeg, Man.
Stanton Pipes Ltd.	Hamilton, Ont.
Steel Co. of Canada Ltd., The	Contrecoeur, Que.
	Montreal, Que.
	Hamilton, Ont.
	Camrose, Alta.
	Welland, Ont.
Tube Turns of Canada Ltd.	Ridgetown, Ont.
Tubular Steel Products Division of Chartwell Industries Ltd.	Scarborough, Ont.
Welland Tubes Ltd.	Welland, Ont.

Ingots and Rolled Steel Products

Lingots et laminages d'acier

Algoma Steel Corporation Ltd., The	Sault Ste. Marie, Ont.
Atlas Steels Co., A Division of Rio Algom Mines Ltd.	Tracy, Que.
	Welland, Ont.
Burlington Steel Co., A Division of Slater Steel Industries Ltd.	Hamilton, Ont.
Canadian Steel Wheel	Hochelaga, Montreal, Que.
Cominco Ltd.	Kimberley, B.C.
Dominion Foundries and Steel Ltd.	Hamilton, Ont.
Dominion Steel and Coal Corp'n. Ltd. (Sudsiary of Sidbec)	Contrecoeur, Que.
	Montreal, Que.
	Etobicoke, Ont.
Enamel and Heating Products Ltd.	Amherst, N.S.
Industrial Fasteners Ltd.	L'Orignal, Ont.
Interprovincial Steel and Pipe Corp'n. Ltd. (Steel Division)	Regina, Sask.
Lake Ontario Steel Co. Ltd.	Whitby, Ont.
Manitoba Rolling Mills, Division of Dominion Bridge Co. Ltd.	Winnipeg, Man.
Newfoundland Steel (1968) Co. Ltd.	St. John's, Nfld.
Stanley Steel Co. Ltd.	Hamilton, Ont.
Steel Co. of Canada Ltd., The	Hamilton, Ont.
	Edmonton, Alta.
Sydney Steel Corporation	Sydney, N.S.
Union Drawn Steel Co. Ltd.	Hamilton, Ont.
Vic Metal Corporation	Victoriaville, Que.
Western Canada Steel Ltd.	Calgary, Alta.
	Vancouver, B.C.

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